EDACPOWER

Power on your future

2024/2025

EDAC POWER

ELECTRONICS CO., LTD.

Switching Adapter & Power Supply

Company Profile

With more than **25** years of experience, EDACPOWER is one of a global power supply manufacturers in Standard & Custom-Made Solutions.

EDACPOWER has dedicated in the power supply field since 1998, with a variety of AC-DC Switching power supply, USB Type-C adaptor, DC / DC converter, Battery charger, LED power supply, Open framed/Enclosed high power, and Down-sized solutions. With wide power design ranges 4.5W to 2500W, our diverse portfolio enables us to serve the clients across various industries, include ICT, Medical, E-bike, Lighting, Industrial, etc.

EDACPOWER head office is located in Taipei, Taiwan, focuses on general management, finance, Sales, and R&D. The designs developed by our R&D team turn into products in the manufacturing plants in Suzhou, Dongguan, and Taiwan, with Quality and Environment management system- ISO 9001 & ISO 14001 certified. Three locations house a staff of total 1,200 employees.

With the commitment to quality, reliability, and customer satisfaction, our journey is deeply rooted in a passion for technology advancement and customer-centric values. Moreover, by embracing eco-friendly practices and green technologies, we commit to minimize the carbon emissions and contribute towards to a greener, more sustainable future.

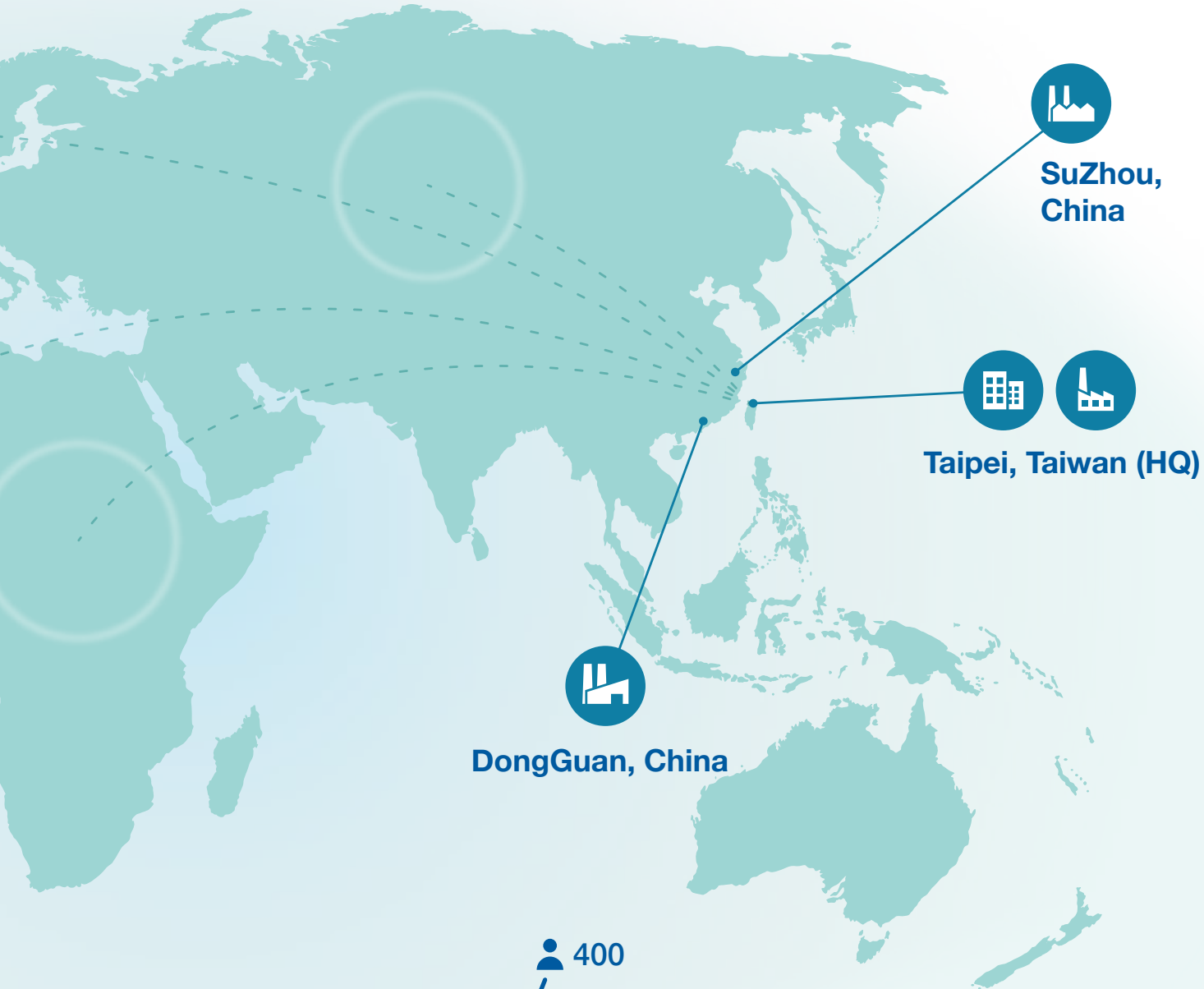
80

Taipei, Taiwan (HQ)
Administration & Factory / Sales / R&D / Procurement

700

SuZhou, China
Factory / Sales / R&D

Locations

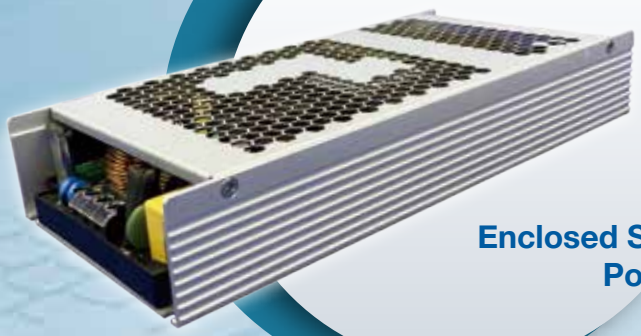


400

/ Procurement

DongGuan, China
Factory / Sales / R&D / Procurement

EDACPOWER



Enclosed Switching
Power Supply

Product

Medical Power Supply

DC/DC Switching Converter

ITE/ICT Switching
Power Supply

Battery Charger

Category

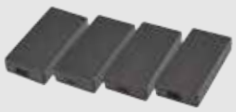
PD Charger (USB Type-C)

Open Frame Switching
Power Supply

ITE/Medical GaN Adapter

Features

- IEC/EN/UL 62368-1 & IEC/EN/UL 60601-1 (ed.3.2) Compliance
- Gallium Nitride Solution
- Universal Input 100-240VAC
- 2 x MOPP Compliance
- Compact Size
- Customized Design Available
- Energy Efficiency up to 95%
- MTBF>100,000 hours
- Protections: Short Circuit / Over Voltage / Over Current / Over Temperature

	Series	Output Power	Output Voltage	Size (mm)
	EM1067S	48~65W	12~56V	75L x 75W x 30H
	EM1122	100~120W	12~56V	136L x 68W x 30H
	EM1180	135~180W	12~56V	151.3L x 75.8W x 25.4H
	EM1251	200~250W	12~56V	170L x 84W x 30H
Coming Soon 	EM1331	270~330W	12~56V	Coming Soon
Coming Soon 	EM1420	360~420W	12~56V	200L x 100W x 36H
	EM1450	450~550W	19~56V	260L x 95W x 43H

USB-C GaN PD Charger

Features

- IEC/EN/UL 62368-1 Compliance
- Gallium Nitride Solution
- Universal Input 100-240VAC
- Customized Design Available
- PD3.0/PD3.1 & QC4+ Compliance
- MTBF>100,000 hours
- Protections: Short Circuit / Over Voltage / Over Current / Over Temperature (optional)
- Applications: Mobile phones, Tablets, Digital cameras, Headphones, Earphones, Laptops, and other portable devices

	Series	Output Power	Output Voltage	PD	QC	USB port
	EU106A	65W	5/9/12/15/20V	PD3.0	QC4+	-
	EU204AS	45W	5/9/12/15/20V	PD3.0	QC4+	1A+1C
	EU306AS	65W	5/9/12/15/20V	PD3.0	QC4+	1A+2C
Coming Soon 	EU114AS	140W	5/9/12/15/20/28V	PD3.1	QC4+	1C
Coming Soon 	EU414BXR	140W	5/9/12/15/20/28V	PD3.1	QC4+	1A+3C
Coming Soon 	EU424A	240W	5/9/12/15/20/28V	PD3.1	QC4+	1A+3C

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ITE/ICT Switching Power Supply

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Medical Power Supply

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Battery Charger

Open Frame Switching Power Supply

Open Frame Switching Power Supply

Enclosed Switching power supply

DC/DC Switching Converter

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DC/DC Switching Converter

Appendix

ITE / ICT Switching Power Supply

- IEC/EN/UL 62368-1 Compliance
- Universal Input 100-240VAC
- Wall mounted/Desktop types
- Multiple Protections
- Energy Efficiency Level VI or CoC Tier II
- Slim types available

EA1005 Series

• 4.5~6W Max.

AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)

Horizontal (USB & SR Type)

Features

- LPS Compliance
- Protections :
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1005 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1005AYZT	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EA1005BYZT	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EA1005CYZT	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EA1005DYZT	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.6A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

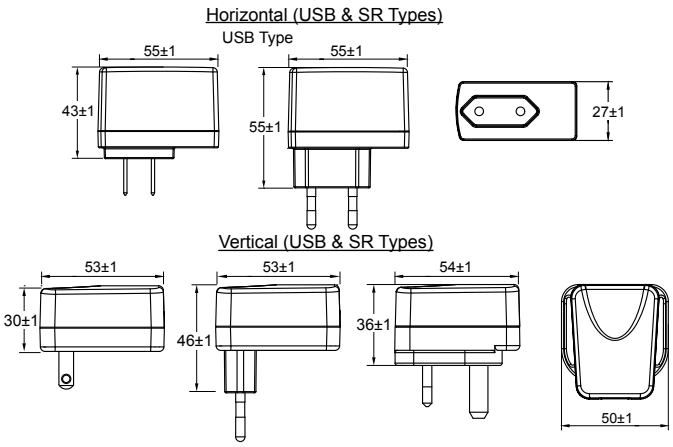
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA: 53L x 41W x 30 H (mm)
  EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Interchangeable Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1005 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1005AVRT	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EA1005BVRT	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EA1005CVRT	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EA1005DVRT	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.6A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

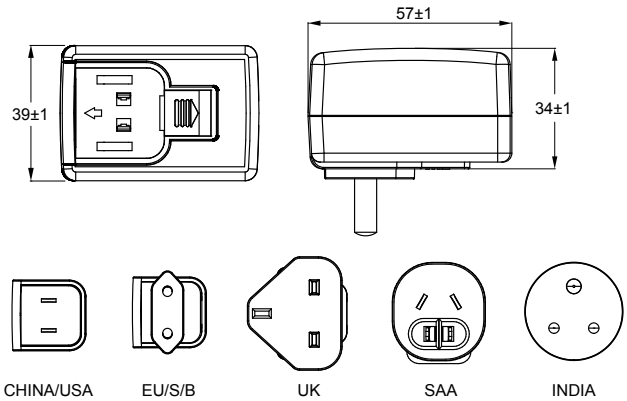
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA

EA1012 Series

• *12W Max.*

AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)

Horizontal (USB & SR Type)

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1012 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1012AYZT	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EA1012BYZT	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EA1012CYZT	12W	12~17V	0A	1A	± 5%	± 1%	250mV
EA1012DYZT	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

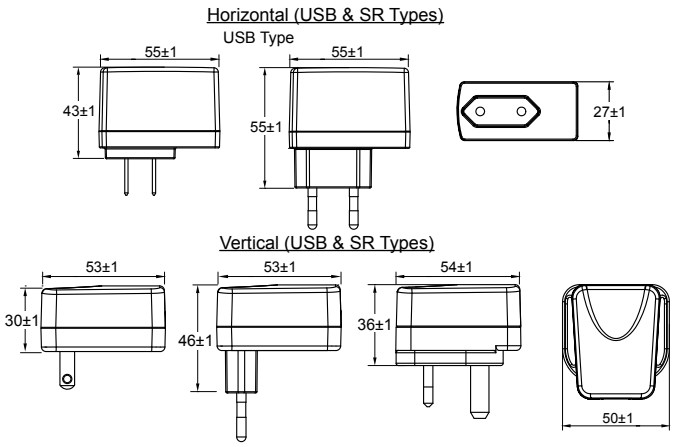
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA: 53L x 41W x 30H (mm)
  EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Interchangeable Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1012 X Y R T - vv PP

X: Output range
Y: Case type (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1012AVRT	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EA1012BVRT	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EA1012CVRT	12W	12~17V	0A	1A	± 5%	± 1%	250mV
EA1012DVRT	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

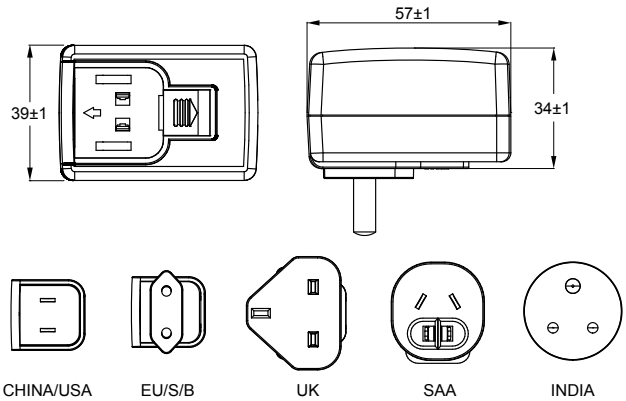
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE, RCM

EA1019 Series

• *15~24W Max.*

AC/DC Wall Mount Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1019 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC Plug: • U: USA • E: EU • K: UK • A: SAA • C: China
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1019AYZS	15W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1019BYZS	20W	9~13V	0A	2A	± 5%	± 1%	180mV
EA1019CYZS	20W	14~19V	0A	1.42A	± 5%	± 1%	200mV
EA1019DYZS	20W	20~27V	0A	1A	± 5%	± 1%	250mV
EA1019EYZS	20W	28~35V	0A	0.71A	± 5%	± 1%	280mV
EA1019FYZS	20W	36~48V	0A	0.55A	± 5%	± 1%	360mV
EA1019GYZS	18W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1019HYZS	24W	9~13V	0A	2A	± 5%	± 1%	180mV
EA1019JYZS	24W	14~19V	0A	1.71A	± 5%	± 1%	200mV
EA1019KYZS	24W	20~27V	0A	1.2A	± 5%	± 1%	250mV
EA1019MYZS	24W	28~35V	0A	0.85A	± 5%	± 1%	280mV
EA1019NYZS	24W	36~48V	0A	0.66A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 80A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

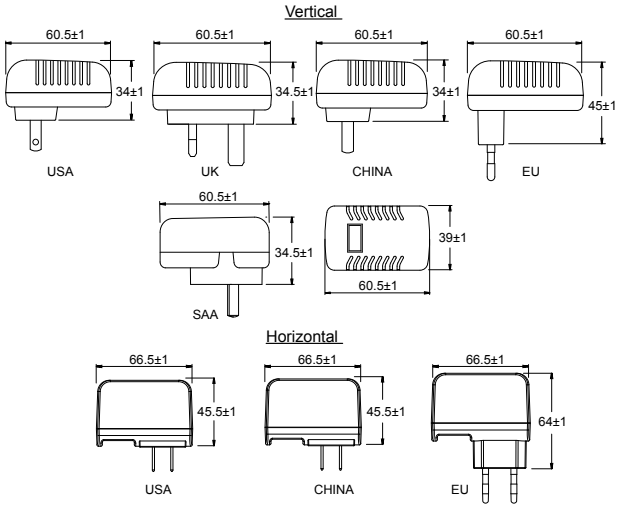
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: Vertical: 60.5L x 39W x 45H (mm)
  Horizontal: 66.5L x 64W x 26H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, Argentina, RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Interchangeable Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1019 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1019AVRS	15W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1019BVRS	20W	9~13V	0A	2A	± 5%	± 1%	180mV
EA1019CVRS	20W	14~19V	0A	1.42A	± 5%	± 1%	200mV
EA1019DVRS	20W	20~27V	0A	1A	± 5%	± 1%	250mV
EA1019EVRS	20W	28~35V	0A	0.71A	± 5%	± 1%	280mV
EA1019FVRS	20W	36~48V	0A	0.55A	± 5%	± 1%	360mV
EA1019GVRS	18W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1019HVRS	24W	9~13V	0A	2A	± 5%	± 1%	180mV
EA1019JVRS	24W	14~19V	0A	1.71A	± 5%	± 1%	200mV
EA1019KVRS	24W	20~27V	0A	1.2A	± 5%	± 1%	250mV
EA1019MVRS	24W	28~35V	0A	0.85A	± 5%	± 1%	280mV
EA1019NVRS	24W	36~48V	0A	0.66A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 80A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

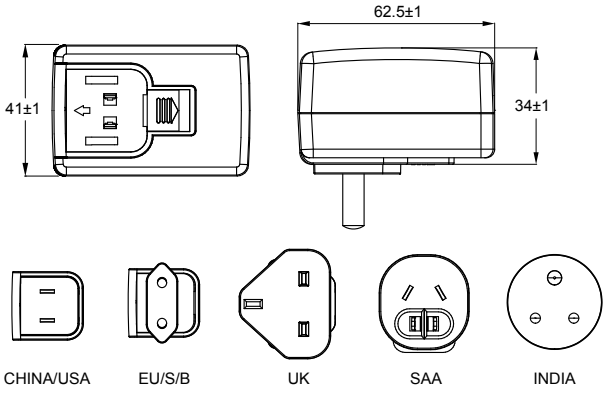
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 62.5L x 41W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 150g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, Argentina, RCM, NRCAN, PSB

EA1024 Series

• 16~36W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator (optional)
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1024 X Y - vv PP

X: Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AY	16W	5~8V	0A	2A	± 5%	± 1%	100mV
EA1024BY	20W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1024CY	24W	5~8V	0A	4A	± 5%	± 1%	100mV
EA1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EA1024EY	24W	9~11V	0A	2A	± 5%	± 1%	250mV
EA1024FY	27W	9~11V	0A	3A	± 5%	± 1%	250mV
EA1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EA1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EA1024PY	36W	12V	0A	3A	± 5%	± 1%	250mV
EA1024QY	24W	12V	0A	2A	± 5%	± 1%	250mV
EA1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

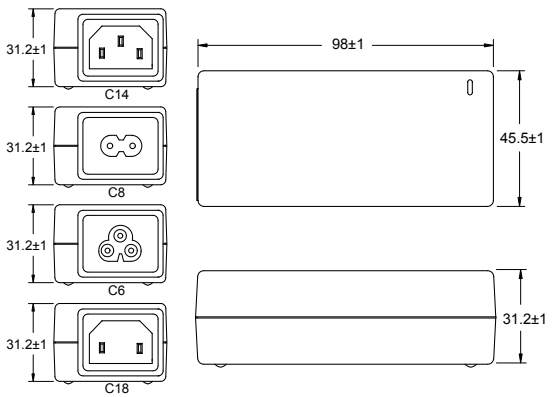
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Wall Mount Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1024 X Y - vv PP

X: Output range
Y: AC plug: • U: USA • E: EU • K: UK • A: SAA
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AY	16W	5~8V	0A	2A	± 5%	± 1%	100mV
EA1024BY	20W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1024CY	24W	5~8V	0A	4A	± 5%	± 1%	100mV
EA1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EA1024EY	24W	9~11V	0A	2A	± 5%	± 1%	250mV
EA1024FY	27W	9~11V	0A	3A	± 5%	± 1%	250mV
EA1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EA1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EA1024PY	36W	12V	0A	3A	± 5%	± 1%	250mV
EA1024QY	24W	12V	0A	2A	± 5%	± 1%	250mV
EA1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

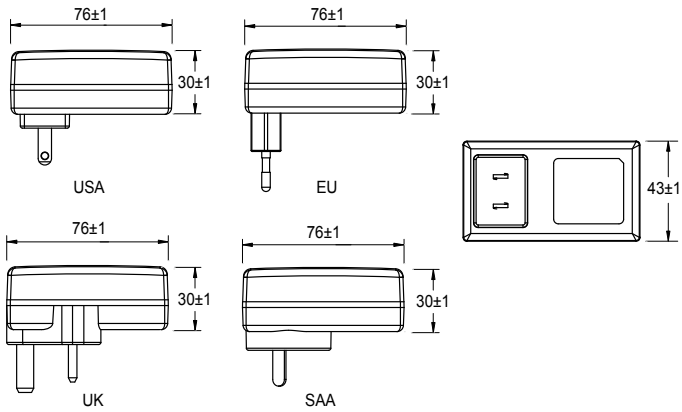
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Interchangeable Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1024 X R - vv PP

X: Output range
R: Interchangeable AC plug:
- U: USA • E: EU • K: UK • A: SAA • C: China
- S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AR	16W	5~8V	0A	2A	± 5%	± 1%	100mV
EA1024BR	20W	5~8V	0A	3A	± 5%	± 1%	100mV
EA1024CR	24W	5~8V	0A	4A	± 5%	± 1%	100mV
EA1024DR	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EA1024ER	24W	9~11V	0A	2A	± 5%	± 1%	250mV
EA1024FR	27W	9~11V	0A	3A	± 5%	± 1%	250mV
EA1024GR	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EA1024HR	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EA1024JR	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EA1024KR	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EA1024MR	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EA1024NR	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EA1024PR	36W	12V	0A	3A	± 5%	± 1%	250mV
EA1024QR	24W	12V	0A	2A	± 5%	± 1%	250mV
EA1024RR	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

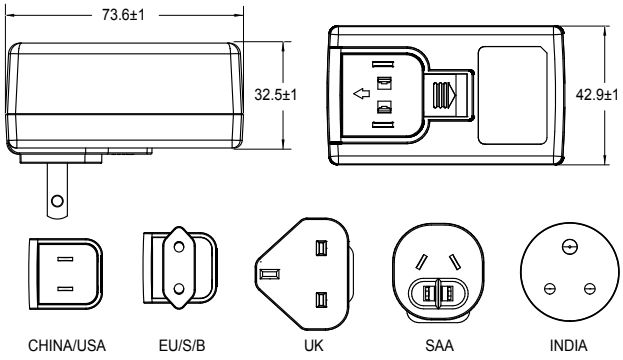
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Wall Mount Adaptor

Features

- LPS Compliance
- Protections :
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1026 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • C: CHINA for (H)
AC plug type: • U: USA • E: EU • K: UK • A: SAA for (V)
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1026AYZS	18W	5V	0A	3.6A	± 5%	± 3%	100mV
EA1026BYZS	24W	9V	0A	2.66A	± 5%	± 3%	180mV
EA1026CYZS	24W	12V	0A	2A	± 5%	± 3%	250mV
EA1026DYZS	24W	24V	0A	1A	± 5%	± 3%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

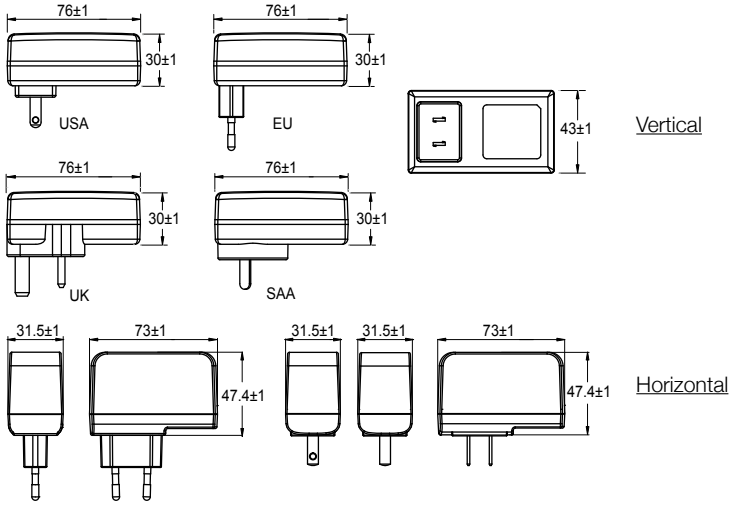
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

MECHANICAL



- Case Size: Vertical: 76L x 43W x 30H (mm)
  Horizontal: 73L x 47.4W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA (Vertical)
  U: USA, E: EU C: China (Horizontal)
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

EA1026 Series

• *18~24W Max.*

AC/DC Interchangeable Adaptor

Features

- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1026 X Y R T - vv PP

X: Output range
Y: Case type: (V) Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1026AVRS	18W	5V	0A	3.6A	± 5%	± 3%	100mV
EA1026BVRS	24W	9V	0A	2.66A	± 5%	± 3%	180mV
EA1026CVRS	24W	12V	0A	2A	± 5%	± 3%	250mV
EA1026DVRS	24W	24V	0A	1A	± 5%	± 3%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

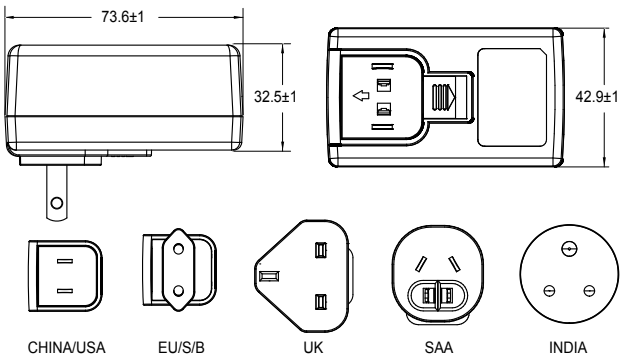
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adaptor

Features

- LED Indicator (optional)
- LPS Compliance
- Protections :
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1041 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1041XA	25W	5~9V	0A	5A	± 5%	± 1%	180mV
EA1041XB	36W	9V	0A	4A	± 5%	± 1%	180mV
EA1041XC	35W	12~16V	0A	2.91A	± 5%	± 1%	240mV
EA1041XD	40W	12~16V	0A	3.33A	± 5%	± 1%	240mV
EA1041XE	45W	12~16V	0A	3.75A	± 5%	± 1%	240mV
EA1041XF	35W	18~24V	0A	1.94A	± 5%	± 1%	360mV
EA1041XG	40W	18~24V	0A	2.22A	± 5%	± 1%	360mV
EA1041XH	45W	18~24V	0A	2.5A	± 5%	± 1%	360mV
EA1041XJ	40W	32~42V	0A	1.25A	± 5%	± 1%	480mV
EA1041XK	48W	32~42V	0A	1.5A	± 5%	± 1%	480mV
EA1041XM	40W	44~56V	0A	0.9A	± 5%	± 1%	660mV
EA1041XN	48W	44~56V	0A	1.09A	± 5%	± 1%	660mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

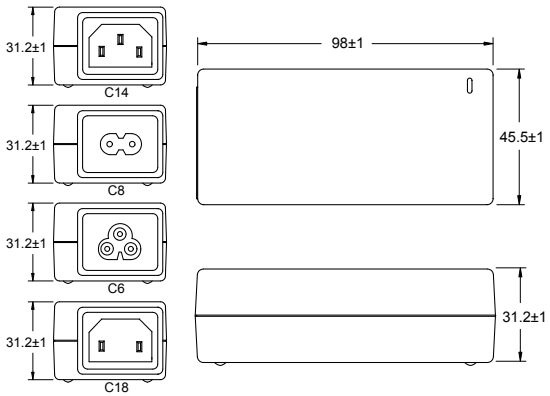
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC

EA1044 Series

• 25~48W Max.

AC/DC Desktop Adaptor

Features

- Slim Size
- LED Indicator (optional)
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1044 X Y - vv PP

X: AC inlet: 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1044XA	25W	5~9V	0A	5A	± 5%	± 1%	130mV
EA1044XB	36W	9V	0A	4A	± 5%	± 1%	130mV
EA1044XC	45W	12~16V	0A	3.75A	± 5%	± 1%	180mV
EA1044XD	40W	12~16V	0A	3.33A	± 5%	± 1%	180mV
EA1044XE	35W	12~16V	0A	2.91A	± 5%	± 1%	180mV
EA1044XF	45W	18~24V	0A	2.5A	± 5%	± 1%	250mV
EA1044XG	40W	18~24V	0A	2.22A	± 5%	± 1%	250mV
EA1044XH	35W	18~24V	0A	1.94A	± 5%	± 1%	250mV
EA1044XJ	48W	32~42V	0A	1.5A	± 5%	± 1%	350mV
EA1044XK	40W	32~42V	0A	1.25A	± 5%	± 1%	350mV
EA1044XM	48W	44~48V	0A	1.09A	± 5%	± 1%	480mV
EA1044XN	40W	44~48V	0A	0.9A	± 5%	± 1%	480mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

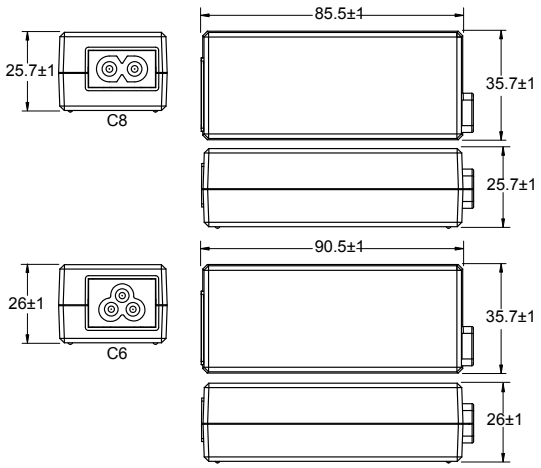
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 85.5L x 35.7W x 25.7H (mm) for AC inlet C8
  90.5L x 35.7W x 26.0H (mm) for AC inlet C6
- AC Inlet: C8, C6
- Weight: 160g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: BSMI, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1045S Series

• 36~48W Max.

AC/DC Interchangeable Adaptor

Features

- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours

EA1045S X R - vv PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045SDR	36W	5~9V	0A	5A	± 5%	± 1%	100mV
EA1045SER	45W	10~17V	0A	3.5A	± 5%	± 1%	240mV
EA1045SFR	45W	18~26V	0A	2.5A	± 5%	± 1%	360mV
EA1045SGR	45W	27~40V	0A	1.66A	± 5%	± 1%	560mV
EA1045SHR	48W	41~56V	0A	1.17A	± 5%	± 1%	640mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

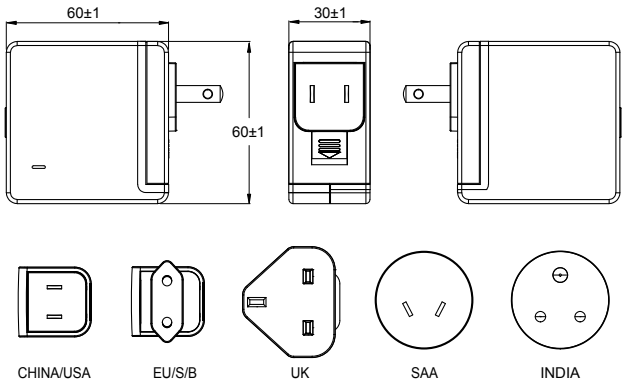
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 60L x 60W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 190g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, CU, PSB

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1062S Series

• 60~65W Max.

AC/DC Interchangeable Adaptor

Features

- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF >100,000 hours

EA1062S X R - vv PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062SCR	65W	18~24V	0A	3.61A	± 5%	± 1%	360mV
EA1062SDR	60W	18~24V	0A	3.33A	± 5%	± 1%	360mV
EA1062SGR	65W	48~56V	0A	1.35A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

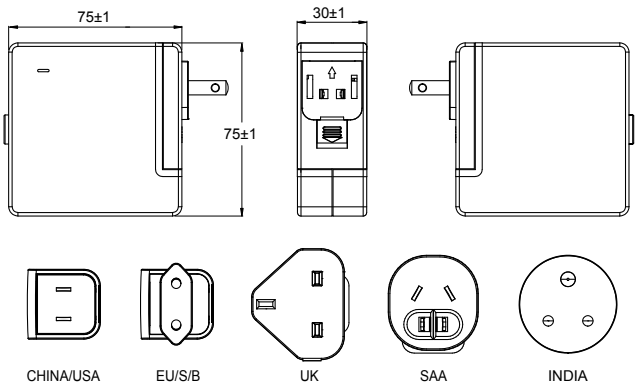
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 75L x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 300g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE, KC

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adaptor

Features

- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption
  Less than 50W: ≤ 0.1W (VI), ≤ 0.075W (Tier II)
  More than (includes) 50W: ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1068 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1068XA	25W	5~9V	0A	5A	± 5%	± 1%	180mV
EA1068XB	40W	12~16V	0A	3.33A	± 5%	± 1%	240mV
EA1068XC	40W	18~24V	0A	2.1A	± 5%	± 1%	360mV
EA1068XD	40W	32~42V	0A	1.25A	± 5%	± 1%	630mV
EA1068XE	40W	44~56V	0A	0.9A	± 5%	± 1%	840mV
EA1068XF	30W	5~9V	0A	6A	± 5%	± 1%	180mV
EA1068XG	50W	12~16V	0A	4.16A	± 5%	± 1%	240mV
EA1068XH	50W	18~24V	0A	2.63A	± 5%	± 1%	360mV
EA1068XJ	50W	32~42V	0A	1.56A	± 5%	± 1%	630mV
EA1068XK	50W	44~56V	0A	1.13A	± 5%	± 1%	840mV
EA1068XW	40W	5~9V	0A	8A	± 5%	± 1%	180mV
EA1068XM	35W	5~9V	0A	7A	± 5%	± 1%	180mV
EA1068XN	60W	12~16V	0A	5A	± 5%	± 1%	240mV
EA1068XP	60W	18~24V	0A	3.15A	± 5%	± 1%	360mV
EA1068XQ	60W	32~42V	0A	1.87A	± 5%	± 1%	630mV
EA1068XR	60W	44~56V	0A	1.36A	± 5%	± 1%	840mV
EA1068XY	65W	12~16V	0A	5.42A	± 5%	± 1%	240mV
EA1068XS	45W	5~9V	0A	9A	± 5%	± 1%	180mV
EA1068XU	72W	12~16V	0A	6A	± 5%	± 1%	240mV
EA1068XV	72W	18~24V	0A	3.78A	± 5%	± 1%	360mV
EA1068XL	72W	32~42V	0A	2.25A	± 5%	± 1%	630mV
EA1068XT	72W	44~56V	0A	1.63A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

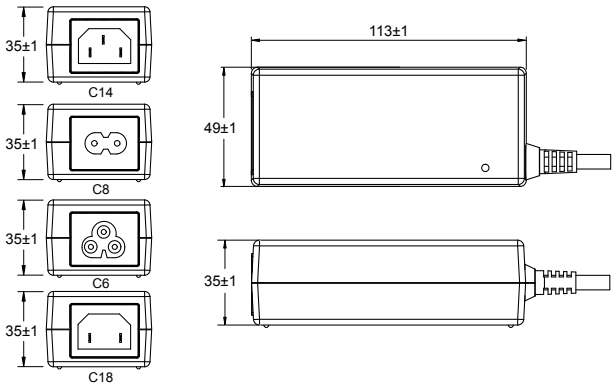
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off / Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1073 Series

• 40~65W Max.

AC/DC Desktop Adaptor

Features

- Slim Size
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption
  Less than 50W : ≤0.1W(VI), ≤ 0.075W (Tier II)
  More than (includes) 50W: ≤ 0.21W(VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1073 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1073XA	40W	12~18V	0A	3.33A	± 5%	± 1%	240mV
EA1073XB	40W	19~24V	0A	2.1A	± 5%	± 1%	360mV
EA1073XC	40W	32~42V	0A	1.25A	± 5%	± 1%	630mV
EA1073XD	40W	44~56V	0A	0.9A	± 5%	± 1%	840mV
EA1073XE	50W	12~18V	0A	4.16A	± 5%	± 1%	240mV
EA1073XF	50W	19~24V	0A	2.63A	± 5%	± 1%	360mV
EA1073XG	50W	32~42V	0A	1.56A	± 5%	± 1%	630mV
EA1073XH	50W	44~56V	0A	1.13A	± 5%	± 1%	840mV
EA1073XJ	60W	12~18V	0A	5A	± 5%	± 1%	240mV
EA1073XK	60W	19~24V	0A	3.15A	± 5%	± 1%	360mV
EA1073XL	60W	32~42V	0A	1.87A	± 5%	± 1%	630mV
EA1073XM	60W	44~56V	0A	1.36A	± 5%	± 1%	840mV
EA1073XN	65W	12~18V	0A	5.41A	± 5%	± 1%	240mV
EA1073XP	65W	19~24V	0A	3.42A	± 5%	± 1%	360mV
EA1073XQ	65W	32~42V	0A	2.03A	± 5%	± 1%	630mV
EA1073XR	65W	44~56V	0A	1.47A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

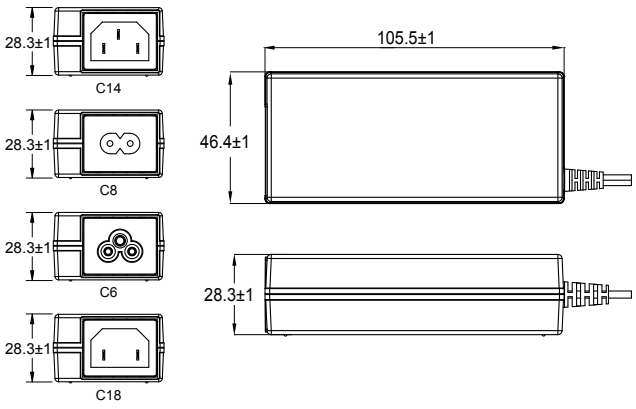
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 105.5L x 46.4W x 28.3H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: BSMI, PSE, BIS, RCM, KC, PSB, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Interchangeable Adaptor

Features

- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1091S X R - vv PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1091SAR	80W	12~17V	0A	6.66A	± 5%	± 1%	270mV
EA1091SBR	80W	18~24V	0A	4.44A	± 5%	± 1%	350mV
EA1091SCR	80W	25~32V	0A	3.2A	± 5%	± 1%	450mV
EA1091SDR	80W	33~43V	0A	2.42A	± 5%	± 1%	650mV
EA1091SER	80W	44~56V	0A	1.81A	± 5%	± 1%	750mV
EA1091SFR	90W	12~17V	0A	7.5A	± 5%	± 1%	270mV
EA1091SGR	90W	18~24V	0A	5A	± 5%	± 1%	350mV
EA1091SHR	90W	25~32V	0A	3.6A	± 5%	± 1%	450mV
EA1091SJR	90W	33~43V	0A	2.72A	± 5%	± 1%	650mV
EA1091SKR	90W	44~56V	0A	2.04A	± 5%	± 1%	750mV
EA1091SMR	100W	25~32V	0A	3.33A	± 5%	± 1%	450mV
EA1091SNR	100W	33~43V	0A	3.03A	± 5%	± 1%	650mV
EA1091SQR	100W	44~56V	0A	2.27A	± 5%	± 1%	750mV
EA1091SPR	100W	24V	0A	4.16A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 160A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

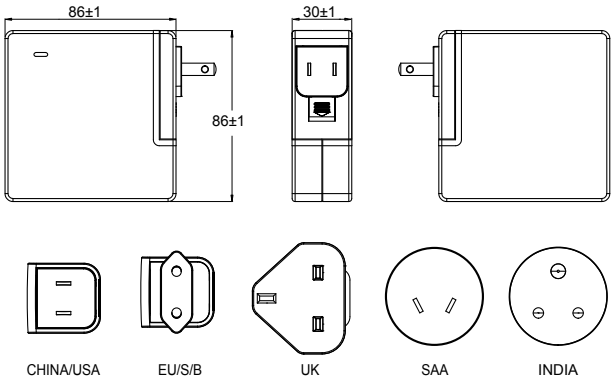
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 86L x 86W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 400g

SAFETY

- Complied with UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1093 Series

• 80~100W Max.

AC/DC Desktop Adaptor

Features

- Slim Size
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI, CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1093 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1093XA	80W	12~18V	0A	6.66A	± 5%	± 1%	270mV
EA1093XB	80W	19~24V	0A	4.21A	± 5%	± 1%	360mV
EA1093XC	80W	32~42V	0A	2.5A	± 5%	± 1%	630mV
EA1093XD	80W	44~56V	0A	1.81A	± 5%	± 1%	840mV
EA1093XE	90W	12~18V	0A	7.5A	± 5%	± 1%	270mV
EA1093XF	90W	19~24V	0A	4.73A	± 5%	± 1%	360mV
EA1093XG	90W	32~42V	0A	2.81A	± 5%	± 1%	630mV
EA1093XH	90W	44~56V	0A	2.04A	± 5%	± 1%	840mV
EA1093XJ	100W	32~42V	0A	3.12A	± 5%	± 1%	630mV
EA1093XK	100W	44~56V	0A	2.27A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

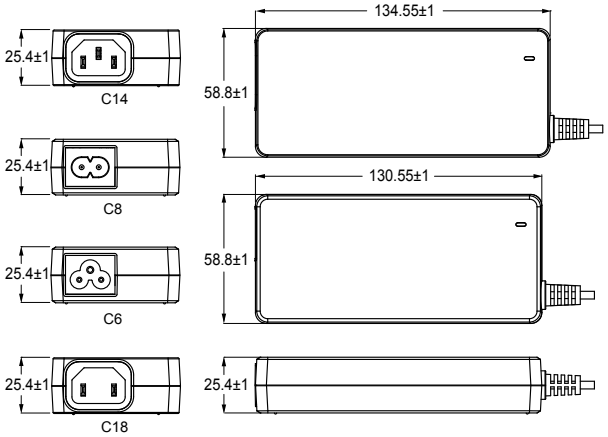
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 130.55L x 58.8W x 25.4H (mm) for AC inlet C8, C6
  134.55L x 58.8W x 25.4H (mm) for AC inlet C14, C18
- Weight: 350g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1095 Series

• 80~100W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21 W (VI), ≤ 0.15 W (Tier II)
- MTBF > 100,000 hours

EA1095 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1095XC	84W	12~18V	0A	7A	± 5%	± 1%	270mV
EA1095XD	80W	18~24V	0A	4.44A	± 5%	± 1%	360mV
EA1095XE	90W	18~24V	0A	5A	± 5%	± 1%	360mV
EA1095XF	90W	12~18V	0A	7.5A	± 5%	± 1%	270mV
EA1095XG	80W	32~42V	0A	2.5A	± 5%	± 1%	630mV
EA1095XH	80W	44~56V	0A	1.81A	± 5%	± 1%	840mV
EA1095XJ	90W	32~42V	0A	2.81A	± 5%	± 1%	630mV
EA1095XK	90W	44~56V	0A	2.04A	± 5%	± 1%	840mV
EA1095XL	100W	32~42V	0A	3.12A	± 5%	± 1%	630mV
EA1095XM	100W	44~56V	0A	2.27A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: ≤ 2.5A
- Inrush Current: ≤ 120A/230VAC
- Hold Up Time: ≥ 8.3ms
- Turn On Time: ≤ 3s

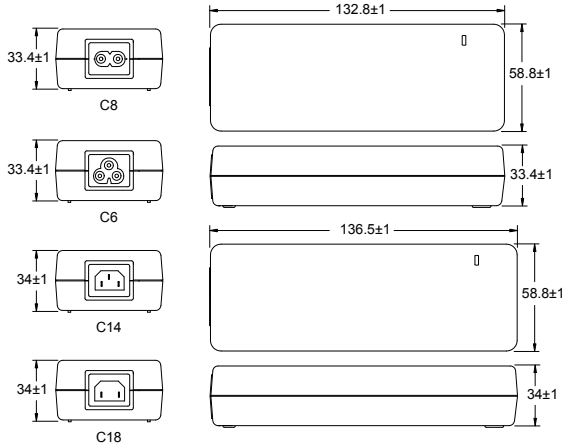
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C8, C6
  136.5L x 58.8W x 34H (mm) for AC inlet C14, C18
- Weight: 420g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

EA1101 Series

• 80~130W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1101 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1101XA	80W	12~16V	0A	6.66A	± 5%	± 1%	240mV
EA1101XB	90W	12~16V	0A	7.5A	± 5%	± 1%	240mV
EA1101XC	90W	19~24V	0A	4.73A	± 5%	± 1%	360mV
EA1101XD	100W	12~16V	0A	8.33A	± 5%	± 1%	240mV
EA1101XE	100W	19~24V	0A	5.26A	± 5%	± 1%	360mV
EA1101XF	110W	12~16V	0A	9.16A	± 5%	± 1%	240mV
EA1101XG	110W	19~24V	0A	5.78A	± 5%	± 1%	360mV
EA1101XH	120W	12~16V	0A	10A	± 5%	± 1%	240mV
EA1101XM	120W	19~24V	0A	6.31A	± 5%	± 1%	360mV
EA1101XN	100W	48~56V	0A	2.08A	± 5%	± 1%	840mV
EA1101XP	130W	48~56V	0A	2.7A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

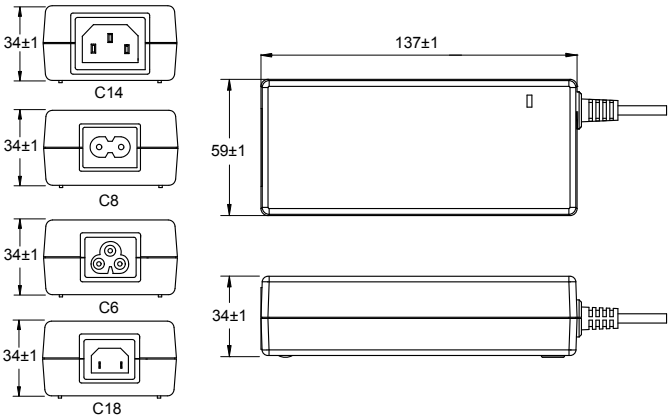
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adaptor

Features

- Slim Size
- LED Indicator
- Active PFC Function
- Protections :
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1121 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1121XA	100W	12~18V	0A	8.33A	± 5%	± 1%	240mV
EA1121XB	100W	19~24V	0A	5.26A	± 5%	± 1%	380mV
EA1121XC	100W	32~42V	0A	3.12A	± 5%	± 1%	640mV
EA1121XD	100W	44~56V	0A	2.27A	± 5%	± 1%	880mV
EA1121XE	110W	12~18V	0A	9.16A	± 5%	± 1%	240mV
EA1121XF	110W	19~24V	0A	5.78A	± 5%	± 1%	380mV
EA1121XG	110W	32~42V	0A	3.43A	± 5%	± 1%	640mV
EA1121XH	110W	44~56V	0A	2.5A	± 5%	± 1%	880mV
EA1121XJ	120W	12~18V	0A	10A	± 5%	± 1%	240mV
EA1121XK	120W	19~24V	0A	6.31A	± 5%	± 1%	380mV
EA1121XW	120W	32~42V	0A	3.75A	± 5%	± 1%	640mV
EA1121XM	120W	44~56V	0A	2.72A	± 5%	± 1%	880mV
EA1121XN	135W	19~24V	0A	7.1A	± 5%	± 1%	380mV
EA1121XP	135W	32~42V	0A	4.21A	± 5%	± 1%	640mV
EA1121XQ	135W	44~56V	0A	3.06A	± 5%	± 1%	880mV
EA1121XR	130W	19~24V	0A	6.84A	± 5%	± 1%	380mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

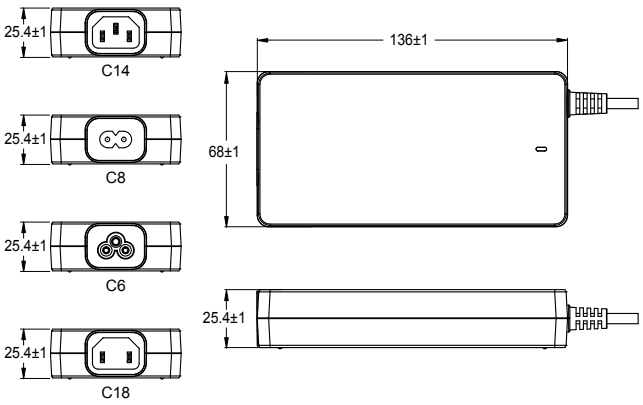
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off or Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 136L x 68W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 350g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1130 Series

• 130~150W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1130 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1130XA	130W	12~16V	0A	10.83A	± 5%	± 1%	240mV
EA1130XB	130W	19~24V	0A	6.84A	± 5%	± 1%	360mV
EA1130XC	130W	32~42V	0A	4.06A	± 5%	± 1%	630mV
EA1130XD	130W	44~56V	0A	2.95A	± 5%	± 1%	840mV
EA1130XE	140W	12~16V	0A	11.66A	± 5%	± 1%	240mV
EA1130XF	140W	19~24V	0A	7.36A	± 5%	± 1%	360mV
EA1130XG	140W	32~42V	0A	4.37A	± 5%	± 1%	630mV
EA1130XH	140W	44~56V	0A	3.18A	± 5%	± 1%	840mV
EA1130XJ	150W	12~16V	0A	12.5A	± 5%	± 1%	240mV
EA1130XK	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EA1130XL	150W	32~42V	0A	4.68A	± 5%	± 1%	630mV
EA1130XM	150W	44~56V	0A	3.4A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

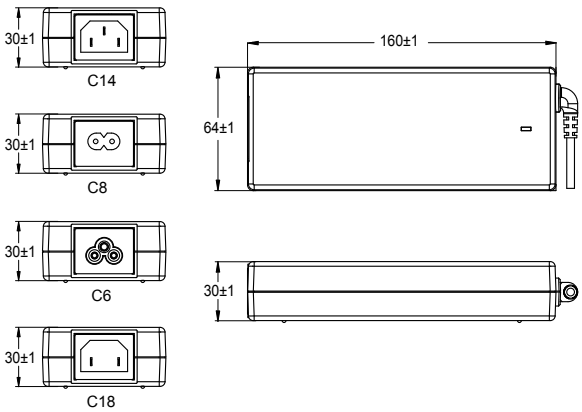
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 160L x 64W x 30H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 620g

SAFETY

- Certified for whole series: UL 60950-1, CAN/CSA C22.2 No. 60950-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1153 Series

• 135~150W Max.

AC/DC Desktop Adaptor

Features

- Slim Size
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI) , ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1153 X Y - vv PP

X: AC inlet: 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1153XA	135W	12~15V	0A	11.25A	± 5%	± 1%	150mV
EA1153XB	135W	19~24V	0A	7.1A	± 5%	± 1%	240mV
EA1153XC	135W	28~36V	0A	4.82A	± 5%	± 1%	360mV
EA1153XD	135W	48~56V	0A	2.81A	± 5%	± 1%	560mV
EA1153XE	150W	19~24V	0A	7.89A	± 5%	± 1%	240mV
EA1153XF	150W	28~36V	0A	5.35A	± 5%	± 1%	360mV
EA1153XG	150W	48~56V	0A	3.12A	± 5%	± 1%	560mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60 Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up time	≥ 8.3ms
• Turn On Time	≤ 3s

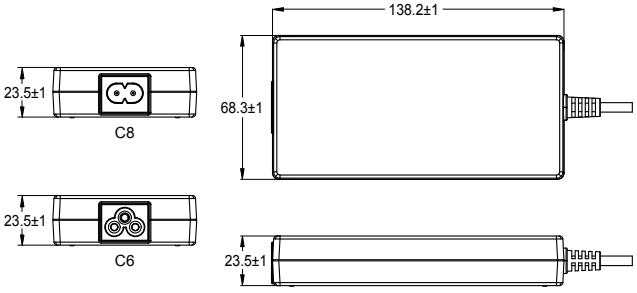
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

MECHANICAL



- Case Size: 138.2L x 68.3W x 23.5H (mm)
- AC Inlet: C8, C6
- Weight: 460g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

EA1170 Series

• 130~180W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1170 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1170XA	130W	12~16V	0A	10.83A	± 5%	± 1%	240mV
EA1170XB	130W	19~24V	0A	6.84A	± 5%	± 1%	360mV
EA1170XC	140W	12~16V	0A	11.66A	± 5%	± 1%	240mV
EA1170XD	140W	19~24V	0A	7.36A	± 5%	± 1%	360mV
EA1170XE	150W	12~16V	0A	12.5A	± 5%	± 1%	240mV
EA1170XF	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EA1170XG	150W	32~42V	0A	4.68A	± 5%	± 1%	630mV
EA1170XH	150W	44~56V	0A	3.12A	± 5%	± 1%	840mV
EA1170XJ	130W	32~42V	0A	4.06A	± 5%	± 1%	640mV
EA1170XK	130W	44~56V	0A	2.95A	± 5%	± 1%	840mV
EA1170XM	160W	12~16V	0A	13.33A	± 5%	± 1%	240mV
EA1170XN	160W	19~24V	0A	8.42A	± 5%	± 1%	360mV
EA1170XP	170W	19~24V	0A	8.94A	± 5%	± 1%	360mV
EA1170XQ	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EA1170XR	180W	32~42V	0A	5.62A	± 5%	± 1%	630mV
EA1170XS	180W	44~56V	0A	3.75A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

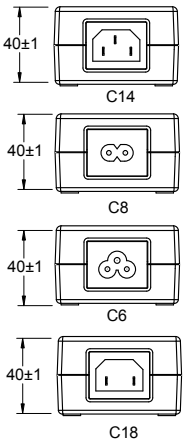
PROTECTION

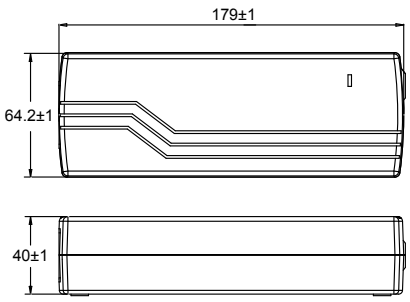
• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL





- Case Size: 179L x 64.2W x 40H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 705g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1-14, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)
- Certified for assigned models: BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1181 Series

• *150~200W Max.*

AC/DC Desktop Adaptor

Features

- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1181 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1181XA	150W	12~18V	0A	12.5A	± 5%	± 1%	240mV
EA1181XB	160W	12~18V	0A	13.33A	± 5%	± 1%	240mV
EA1181XC	170W	12~18V	0A	14.16A	± 5%	± 1%	240mV
EA1181XD	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EA1181XE	180W	32~42V	0A	5.62A	± 5%	±1%	630mV
EA1181XF	180W	44~56V	0A	4.09A	± 5%	± 1%	840mV
EA1181XG	190W	19~24V	0A	10A	± 5%	± 1%	360mV
EA1181XH	190W	32~42V	0A	5.93A	± 5%	±1%	630mV
EA1181XJ	190W	44~56V	0A	4.31A	± 5%	± 1%	840mV
EA1181XK	200W	19~24V	0A	10.52A	± 5%	± 1%	360mV
EA1181XL	200W	32~42V	0A	6.25A	± 5%	±1%	630mV
EA1181XM	200W	44~56V	0A	4.54A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

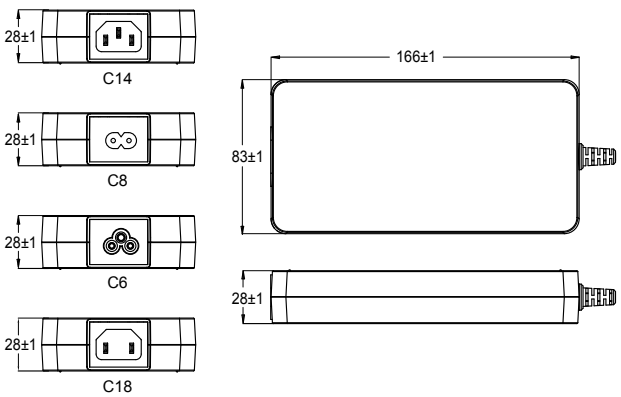
PROTECTION

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 166L x 83W x 28H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1183 Series

• 130~180W Max.

AC/DC Desktop Adaptor

Features

- Slim Size
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1183 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1183XA	130W	12~18V	0A	10.83A	± 5%	± 1%	270mV
EA1183XB	130W	19~24V	0A	6.84A	± 5%	± 1%	360mV
EA1183XC	130W	32~42V	0A	4.06A	± 5%	±1%	630mV
EA1183XD	130W	44~56V	0A	2.95A	± 5%	± 1%	840mV
EA1183XE	135W	12~18V	0A	11.25A	± 5%	± 1%	270mV
EA1183XF	135W	19~24V	0A	7.1A	± 5%	± 1%	360mV
EA1183XG	135W	32~42V	0A	4.21A	± 5%	±1%	630mV
EA1183XH	135W	44~56V	0A	3.06A	± 5%	± 1%	840mV
EA1183XJ	150W	12~18V	0A	12.5A	± 5%	± 1%	270mV
EA1183XK	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EA1183XL	150W	32~42V	0A	4.68A	± 5%	±1%	630mV
EA1183XM	150W	44~56V	0A	3.4A	± 5%	± 1%	840mV
EA1183XN	170W	12~18V	0A	14.16A	± 5%	± 1%	270mV
EA1183XP	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EA1183XQ	180W	32~42V	0A	5.62A	± 5%	±1%	630mV
EA1183XR	180W	44~56V	0A	4.09A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

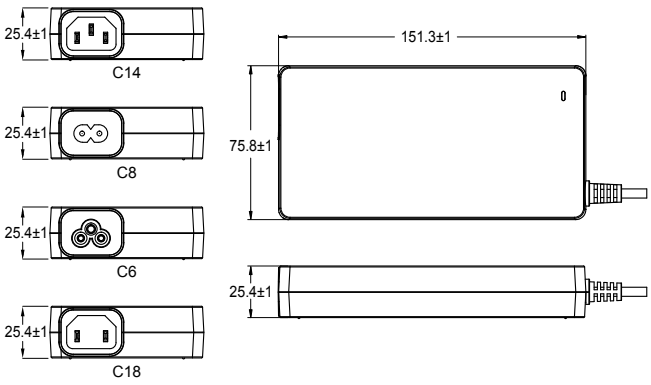
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 90%

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet : C14, C8, C6, C18
- Weight: 350g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adaptor

Features

- Slim Size
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EA1232 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1232XA	180W	12~18V	0A	15A	± 5%	± 1%	240mV
EA1232XB	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EA1232XC	180W	32~42V	0A	5.62A	± 5%	± 1%	630mV
EA1232XD	180W	44~56V	0A	4.09A	± 5%	± 1%	840mV
EA1232XF	200W	19~24V	0A	10.52A	± 5%	± 1%	360mV
EA1232XG	200W	32~42V	0A	6.25A	± 5%	± 1%	630mV
EA1232XH	200W	44~56V	0A	4.54A	± 5%	± 1%	840mV
EA1232XK	220W	19~24V	0A	11.57A	± 5%	± 1%	360mV
EA1232XL	220W	32~42V	0A	6.87A	± 5%	± 1%	630mV
EA1232XM	220W	44~56V	0A	5A	± 5%	± 1%	840mV
EA1232XN	230W	19~24V	0A	12.1A	± 5%	± 1%	360mV
EA1232XP	230W	32~42V	0A	7.18A	± 5%	± 1%	630mV
EA1232XQ	230W	44~56V	0A	5.22A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 3.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

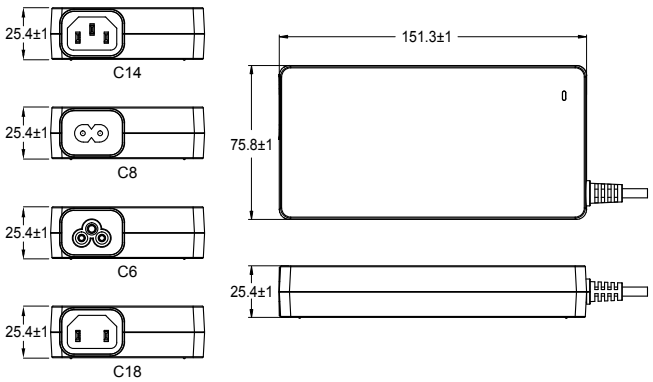
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 90 %

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

EA1250 Series

• 160~250W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1250 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1250XA	160W	12~18V	0A	13.33A	± 5%	± 1%	300mV
EA1250XB	180W	12~18V	0A	15A	± 5%	± 1%	300mV
EA1250XC	180W	19~28V	0A	9.47A	± 5%	± 1%	350mV
EA1250XD	200W	12~18V	0A	16.66A	± 5%	± 1%	300mV
EA1250XE	200W	19~28V	0A	10.52A	± 5%	± 1%	350mV
EA1250XF	200W	32~42V	0A	6.25A	± 5%	± 1%	450mV
EA1250XG	200W	44~56V	0A	4.54A	± 5%	± 1%	600mV
EA1250XH	220W	12~18V	0A	18.33A	± 5%	± 1%	300mV
EA1250XJ	220W	19~28V	0A	11.57A	± 5%	± 1%	350mV
EA1250XK	220W	32~42V	0A	6.87A	± 5%	± 1%	450mV
EA1250XL	220W	44~56V	0A	5A	± 5%	± 1%	600mV
EA1250XM	230W	19~28V	0A	12.1A	± 5%	± 1%	350mV
EA1250XN	230W	32~42V	0A	7.18A	± 5%	± 1%	450mV
EA1250XP	230W	44~56V	0A	5.22A	± 5%	± 1%	600mV
EA1250XQ	250W	19~28V	0A	13.15A	± 5%	± 1%	350mV
EA1250XR	250W	32~42V	0A	7.81A	± 5%	± 1%	450mV
EA1250XS	250W	44~56V	0A	5.68A	± 5%	± 1%	600mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	≤ 140A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

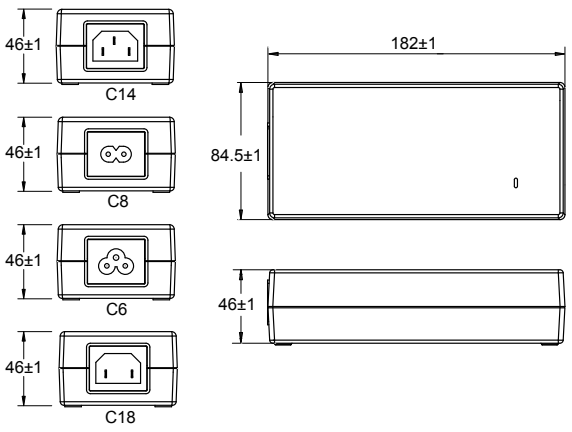
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 182L x 84.5W x 46H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1000g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: BSMI, PSE, BIS, RCM, KC, CU

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adaptor

Features

- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 50,000 hours

EA1252 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1252XA	190W	12~18V	0A	15.83A	± 5%	± 1%	240mV
EA1252XB	230W	19~24V	0A	12.1A	± 5%	± 1%	240mV
EA1252XC	230W	32~42V	0A	7.18A	± 5%	± 1%	240mV
EA1252XD	230W	44~56V	0A	5.22A	± 5%	± 1%	360mV
EA1252XE	200W	12~18V	0A	16.66A	± 5%	± 1%	360mV
EA1252XF	240W	19~24V	0A	12.63A	± 5%	± 1%	630mV
EA1252XG	240W	32~42V	0A	7.5A	± 5%	± 1%	840mV
EA1252XH	240W	44~56V	0A	5.45A	± 5%	± 1%	360mV
EA1252XJ	210W	12~18V	0A	17.5A	± 5%	± 1%	360mV
EA1252XK	250W	19~24V	0A	13.15A	± 5%	± 1%	360mV
EA1252XL	250W	32~42V	0A	7.81A	± 5%	± 1%	630mV
EA1252XM	250W	44~56V	0A	5.68A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	≤ 140A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

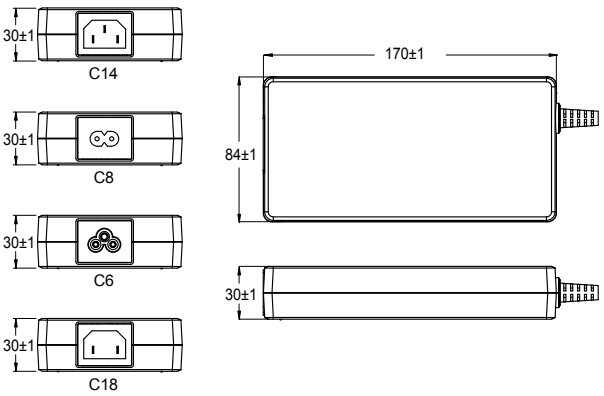
PROTECTION

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 170L x 84W x 30H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 950g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1300 Series

• 230~310W Max.

AC/DC Desktop Adaptor

Features

- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.5 W
- MTBF > 50,000 hours

EA1300 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1300XA	230W	12~18V	0A	19.16A	± 5%	± 1%	240mV
EA1300XB	240W	12~18V	0A	20A	± 5%	± 1%	240mV
EA1300XC	250.2W	12~18V	0A	20.85A	± 5%	± 1%	240mV
EA1300XD	260W	19~28V	0A	13.68A	± 5%	± 1%	360mV
EA1300XE	270W	19~28V	0A	14.21A	± 5%	± 1%	360mV
EA1300XF	270W	32~42V	0A	8.43A	± 5%	± 1%	630mV
EA1300XG	270W	44~56V	0A	6.13A	± 5%	± 1%	840mV
EA1300XH	280W	19~28V	0A	14.73A	± 5%	± 1%	360mV
EA1300XM	290W	19~28V	0A	15.26A	± 5%	± 1%	360mV
EA1300XN	300W	19~28V	0A	15.78A	± 5%	± 1%	360mV
EA1300XP	310W	32~42V	0A	9.68A	± 5%	± 1%	630mV
EA1300XQ	310W	44~56V	0A	7.04A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	5A to 2.5A
• Inrush Current	≤ 140A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

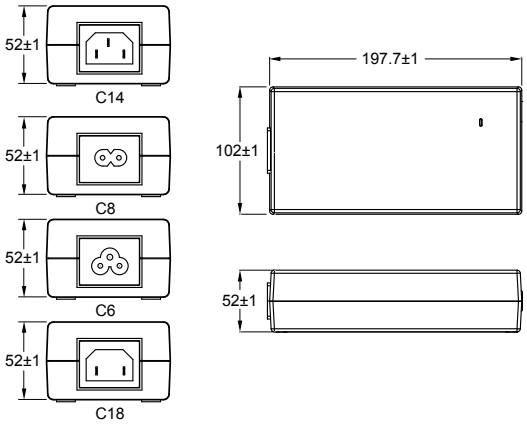
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 197.7L x 102W x 52H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1350g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, BIS, KC

Above safety certificates are for reference only. Please contact our sales department for more details.

AC/DC Desktop Adaptor

Features

- Slim Size
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.5W
- MTBF > 100,000 hours

EA1330 X Y - vv PP

X: AC inlet: 1. C14
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1330XA	240W	12~16V	0A	20A	± 5%	± 1%	240mV
EA1330XB	240W	19~24V	0A	12.63A	± 5%	± 1%	360mv
EA1330XC	240W	32~42V	0A	7.5A	± 5%	± 1%	630mv
EA1330XD	240W	48~56V	0A	5A	± 5%	± 1%	840mV
EA1330XE	270W	12~16V	0A	22.5A	± 5%	± 1%	240mV
EA1330XF	270W	19~24V	0A	14.21A	± 5%	± 1%	360mv
EA1330XG	270W	32~42V	0A	8.43A	± 5%	± 1%	630mv
EA1330XH	270W	48~56V	0A	5.62A	± 5%	± 1%	840mV
EA1330XJ	300W	12~16V	0A	25A	± 5%	± 1%	240mV
EA1330XK	300W	19~24V	0A	15.78A	± 5%	± 1%	360mv
EA1330XL	300W	32~42V	0A	9.37A	± 5%	± 1%	630mv
EA1330XM	300W	48~56V	0A	6.25A	± 5%	± 1%	840mV
EA1330XN	330W	19~24V	0A	17.36A	± 5%	± 1%	360mv
EA1330XP	330W	32~42V	0A	10.31A	± 5%	± 1%	630mv
EA1330XQ	330W	48~56V	0A	6.87A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	5A to 2.5A
• Inrush Current	≤ 180A/230 VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

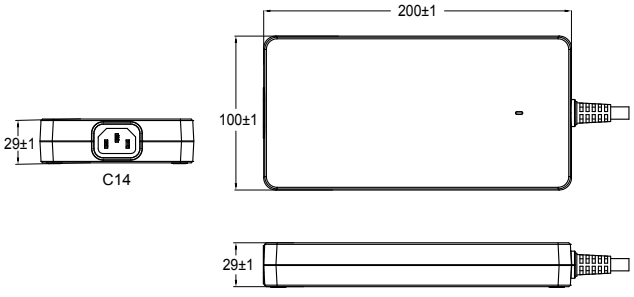
PROTECTION

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 200L x 100W x 29H (mm)
- AC Inlet: C14
- Weight: 1200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC

EA1360 Series

• 300~360W Max.

GaN AC/DC Desktop Adaptor

Features

- Slim Size
- Gallium Nitride Based Design
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.5W
- MTBF > 100,000 hours

EA1360 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1360XA	300W	12~15V	0A	25A	± 5%	± 1%	240mV
EA1360XB	330W	19~24V	0A	17.36A	± 5%	± 1%	360mV
EA1360XC	330W	28~36V	0A	11.78A	± 5%	± 1%	540mV
EA1360XD	330W	48~56V	0A	6.87A	± 5%	± 1%	840mV
EA1360XE	360W	19~24V	0A	18.94A	± 5%	± 1%	360mV
EA1360XF	360W	28~36V	0A	12.85A	± 5%	± 1%	540mV
EA1360XG	360W	48~56V	0A	7.5A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 5A
• Inrush Current	≤ 180A/230VAC
• Hold up time	≥ 8.3ms
• Turn On Time	≤ 3s

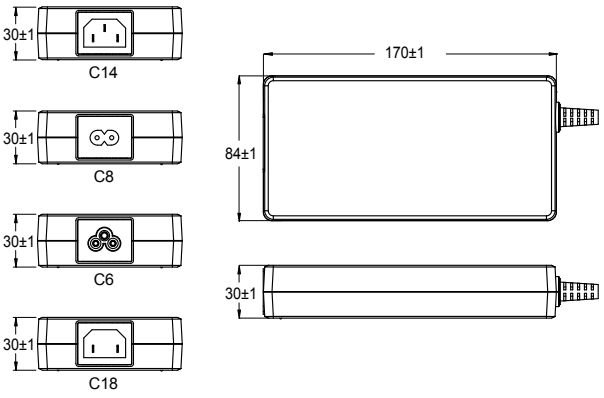
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 170L x 84W x 30H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 950g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical Power Supply

- 2 x MOPP & IEC/EN 60601-1 Compliance
- EMC 60601-1-2 Compliance
- Universal Input 100-240VAC
- Wall mounted/Desktop types
- Multiple Protections
- Energy Efficiency Level VI

Medical AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)

Horizontal (USB & SR Type)

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1005 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1005AYZT	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EM1005BYZT	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EM1005CYZT	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EM1005DYZT	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.6A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

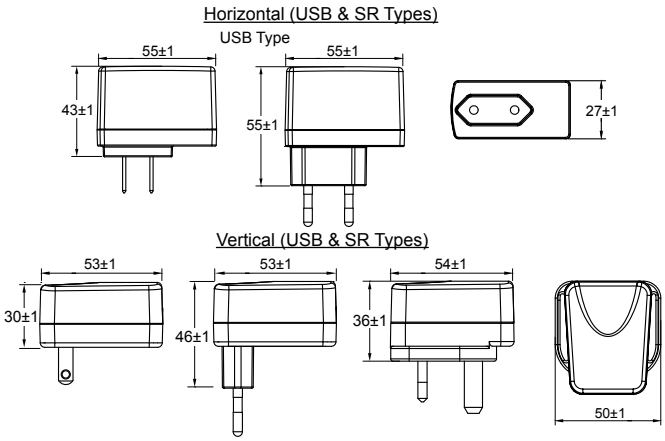
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA: 53L x 41W x 30H (mm)
  EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1005 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1005AVRT	6W	5~8V	0A	1.2A	± 5%	± 1%	100mV
EM1005BVRT	6W	9~12V	0A	0.66A	± 5%	± 1%	180mV
EM1005CVRT	4.5W	9V	0A	0.5A	± 5%	± 1%	180mV
EM1005DVRT	6W	9V	0A	0.67A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.6A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

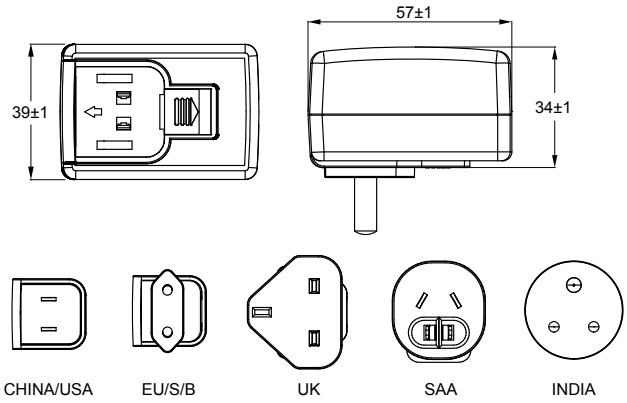
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE

Medical AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)

Horizontal (USB & SR Type)

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1012 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1012AYZT	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EM1012BYZT	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EM1012CYZT	12W	12~17V	0A	1A	± 5%	± 1%	250mV
EM1012DYZT	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

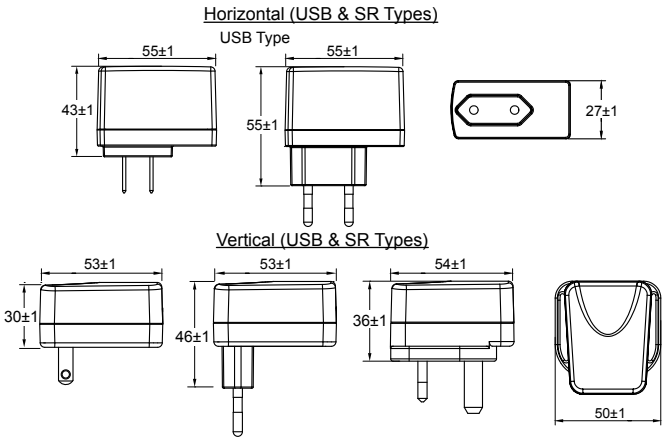
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
  SR: 55L x 25W x 55H (mm)
  Vertical: USA: 53L x 41W x 30H (mm)
  EU: 53L x 41W x 46H (mm)
  UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1012 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1012AVRT	12W	5~8V	0A	2.4A	± 5%	± 1%	100mV
EM1012BVRT	12W	9~11V	0A	1.33A	± 5%	± 1%	180mV
EM1012CVRT	12W	12~17V	0A	1A	± 5%	± 1%	250mV
EM1012DVRT	12W	18~24V	0A	0.66A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s

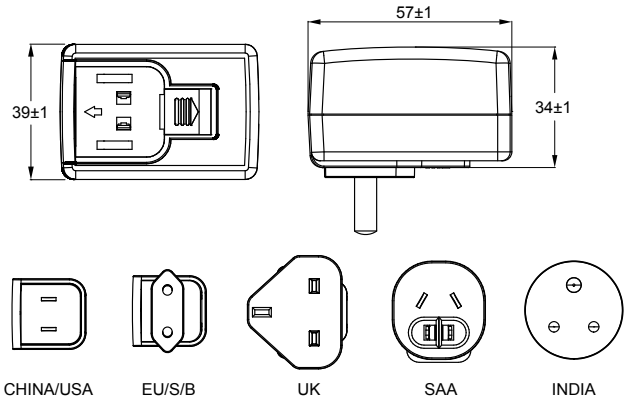
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, NRCAN

Medical AC/DC Wall Mount Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W (VI)
- MTBF > 100,000 hours

EM1019 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC Plug: • U: USA • E: EU • K: UK • A: SAA • C: China
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AYZS	15W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1019BYZS	20W	9~13V	0A	2A	± 5%	± 1%	180mV
EM1019CYZS	20W	14~19V	0A	1.42A	± 5%	± 1%	200mV
EM1019DYZS	20W	20~27V	0A	1A	± 5%	± 1%	250mV
EM1019EYZS	20W	28~35V	0A	0.71A	± 5%	± 1%	280mV
EM1019FYZS	20W	36~48V	0A	0.55A	± 5%	± 1%	360mV
EM1019GYZS	18W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1019HYZS	24W	9~13V	0A	2A	± 5%	± 1%	180mV
EM1019JYZS	24W	14~19V	0A	1.71A	± 5%	± 1%	200mV
EM1019KYZS	24W	20~27V	0A	1.2A	± 5%	± 1%	250mV
EM1019MYZS	24W	28~35V	0A	0.85A	± 5%	± 1%	280mV
EM1019NYZS	24W	36~48V	0A	0.66A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 80A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

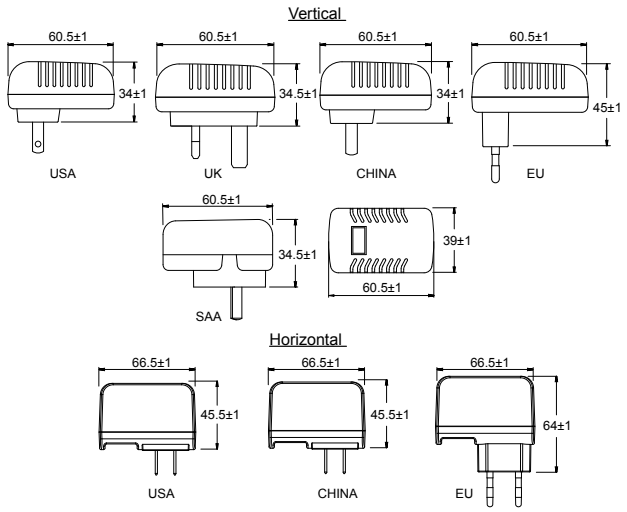
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: Vertical: 60.5L x 39W x 45H (mm)
  Horizontal: 66.5L x 64W x 26H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: CCC, RCM, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1019 X Y R T - vv PP

X: Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AVRS	15W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1019BVRS	20W	9~13V	0A	2A	± 5%	± 1%	180mV
EM1019CVRS	20W	14~19V	0A	1.42A	± 5%	± 1%	200mV
EM1019DVRS	20W	20~27V	0A	1A	± 5%	± 1%	250mV
EM1019EVRS	20W	28~35V	0A	0.71A	± 5%	± 1%	280mV
EM1019FVRS	20W	36~48V	0A	0.55A	± 5%	± 1%	360mV
EM1019GVRS	18W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1019HVRS	24W	9~13V	0A	2A	± 5%	± 1%	180mV
EM1019JVRS	24W	14~19V	0A	1.71A	± 5%	± 1%	200mV
EM1019KVRS	24W	20~27V	0A	1.2A	± 5%	± 1%	250mV
EM1019MVRS	24W	28~35V	0A	0.85A	± 5%	± 1%	280mV
EM1019NVRS	24W	36~48V	0A	0.66A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 80A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

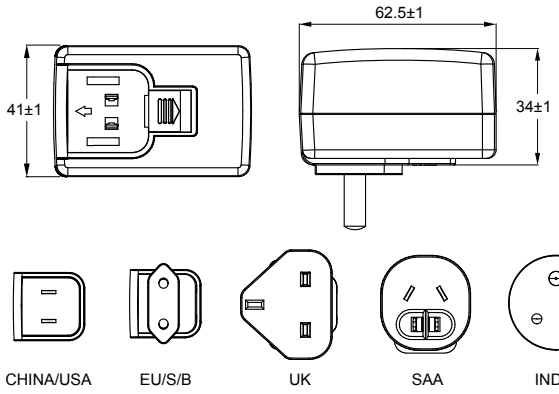
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 62.5L x 41W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 150g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: CCC, RCM, Argentina

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator (optional)
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1024 X Y - vv PP

X: Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AY	16W	5~8V	0A	2A	± 5%	± 1%	100mV
EM1024BY	20W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1024CY	24W	5~8V	0A	4A	± 5%	± 1%	100mV
EM1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024EY	24W	9~11V	0A	2A	± 5%	± 1%	250mV
EM1024FY	27W	9~11V	0A	3A	± 5%	± 1%	250mV
EM1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PY	36W	12V	0A	3A	± 5%	± 1%	250mV
EM1024QY	24W	12V	0A	2A	± 5%	± 1%	250mV
EM1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

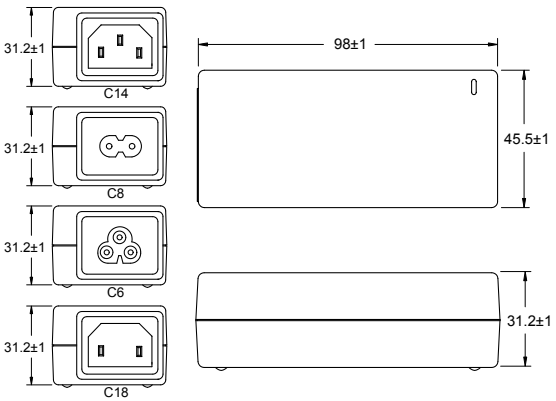
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical AC/DC Wall Mount Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1024 X Y - vv PP

X: Output range
Y: AC plug: • U: USA • E: EU • K: UK • A: SAA
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AY	16W	5~8V	0A	2A	± 5%	± 1%	100mV
EM1024BY	20W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1024CY	24W	5~8V	0A	4A	± 5%	± 1%	100mV
EM1024DY	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024EY	24W	9~11V	0A	2A	± 5%	± 1%	250mV
EM1024FY	27W	9~11V	0A	3A	± 5%	± 1%	250mV
EM1024GY	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HY	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JY	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KY	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MY	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NY	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PY	36W	12V	0A	3A	± 5%	± 1%	250mV
EM1024QY	24W	12V	0A	2A	± 5%	± 1%	250mV
EM1024RY	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

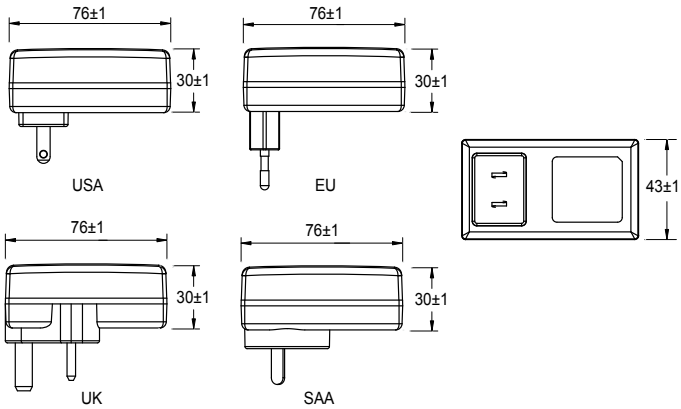
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 200g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE, RCM, NRCAN, Argentina

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EM1024 X R - vv PP

X: Output range

R: Interchangeable AC plug:
- U: USA • E: EU • K: UK • A: SAA • C: China
- S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AR	16W	5~8V	0A	2A	± 5%	± 1%	100mV
EM1024BR	20W	5~8V	0A	3A	± 5%	± 1%	100mV
EM1024CR	24W	5~8V	0A	4A	± 5%	± 1%	100mV
EM1024DR	18W	9~11V	0A	1.5A	± 5%	± 1%	250mV
EM1024ER	24W	9~11V	0A	2A	± 5%	± 1%	250mV
EM1024FR	27W	9~11V	0A	3A	± 5%	± 1%	250mV
EM1024GR	20W	12~17V	0A	1.66A	± 5%	± 1%	250mV
EM1024HR	30W	12~17V	0A	2.5A	± 5%	± 1%	250mV
EM1024JR	24W	18~24V	0A	1.33A	± 5%	± 1%	350mV
EM1024KR	30W	18~24V	0A	1.66A	± 5%	± 1%	350mV
EM1024MR	20W	36~48V	0A	0.55A	± 5%	± 1%	480mV
EM1024NR	30W	36~48V	0A	0.83A	± 5%	± 1%	480mV
EM1024PR	36W	12V	0A	3A	± 5%	± 1%	250mV
EM1024QR	24W	12V	0A	2A	± 5%	± 1%	250mV
EM1024RR	36W	24V	0A	1.5A	± 5%	± 1%	350mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

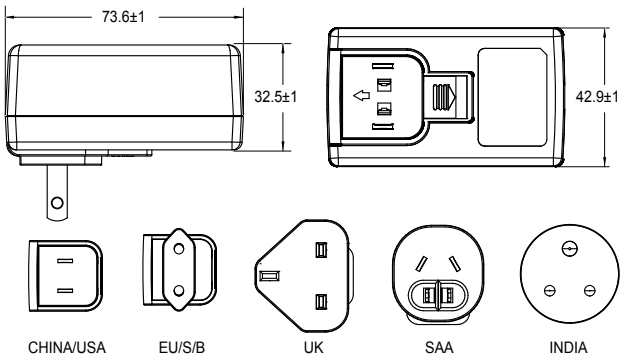
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE, RCM, NRCAN, Argentina

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical AC/DC Wall Mount Adaptor

Features

- 2 x MOPP & IEC/EN60601-1 Compliance
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours
- Non Y-cap Design
- Low Leakage Current

EM1027 X Y Z T - vv PP

X: Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • C: CHINA for (H)
AC plug type: • U: USA • E: EU • K: UK • A: SAA for (V)
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1027AYZS	18W	5V	0A	3.6A	± 5%	± 3%	100mV
EM1027BYZS	24W	9V	0A	2.66A	± 5%	± 3%	180mV
EM1027CYZS	24W	12V	0A	2A	± 5%	± 3%	250mV
EM1027DYZS	30W	24V	0A	1.25A	± 5%	± 3%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s
• Leakage Current	≤ 10uA

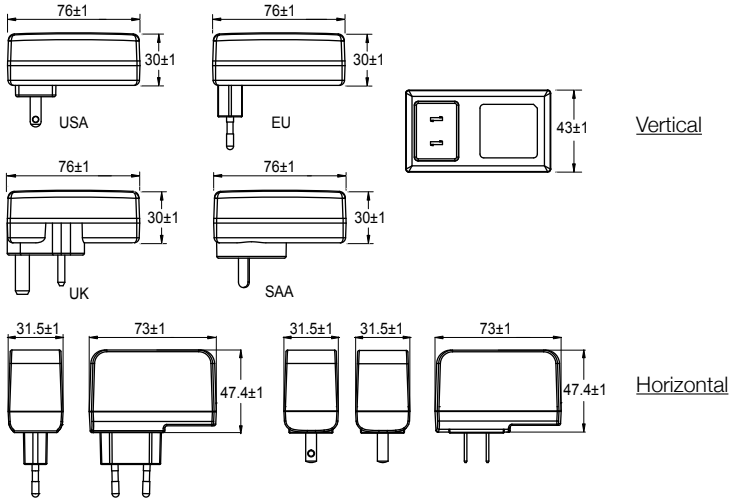
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

MECHANICAL



- Case Size: Vertical: 76L x 43W x 30H (mm)
  Horizontal: 73L x 47.4W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA (Vertical)
  U: USA, E: EU, C: China (Horizontal)
- Weight: 200g

SAFETY

- Complied with CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035) ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, FCC Part 15B, UKCA

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP & IEC/EN60601-1 Compliance
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.1W (VI), ≤ 0.075W (Tier II)
- MTBF > 100,000 hours
- Non Y-cap Design
- Low Leakage Current

EM1027 X Y R T - vv PP

X: Output range
Y: Case type: (V) Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1027AVRS	18W	5V	0A	3.6A	± 5%	± 3%	100mV
EM1027BVRS	24W	9V	0A	2.66A	± 5%	± 3%	180mV
EM1027CVRS	24W	12V	0A	2A	± 5%	± 3%	250mV
EM1027DVRS	30W	24V	0A	1.25A	± 5%	± 3%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 0.8A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 5s
• Leakage Current	≤ 10uA

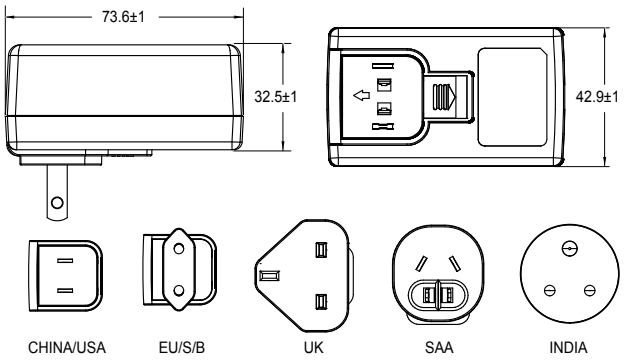
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Complied with CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035) ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, FCC Part 15B, UKCA

Above safety certificates are for reference only. Please contact our sales department for more details.

GaN Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- LED Indicator (optional)
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EM1067S X R - vv PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1067SAR	48W	12~15V	0A	4A	± 5%	± 1%	180mV
EM1067SBR	48W	19~24V	0A	2.52A	± 5%	± 1%	240mV
EM1067SCR	48W	28~36V	0A	1.71A	± 5%	± 1%	360mV
EM1067SDR	48W	48~56V	0A	1A	± 5%	± 1%	560mV
EM1067SER	60W	12~15V	0A	5A	± 5%	± 1%	180mV
EM1067SFR	60W	19~24V	0A	3.15A	± 5%	± 1%	240mV
EM1067SGR	60W	28~36V	0A	2.14A	± 5%	± 1%	360mV
EM1067SHR	60W	48~56V	0A	1.25A	± 5%	± 1%	560mV
EM1067SJR	65W	19~24V	0A	3.42A	± 5%	± 1%	240mV
EM1067SKR	65W	28~36V	0A	2.32A	± 5%	± 1%	360mV
EM1067SLR	65W	48~56V	0A	1.35A	± 5%	± 1%	560mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current 2A to 1A
- Inrush Current ≤ 120A/230VAC
- Hold Up Time ≥ 8.3ms
- Turn On Time ≤ 3s

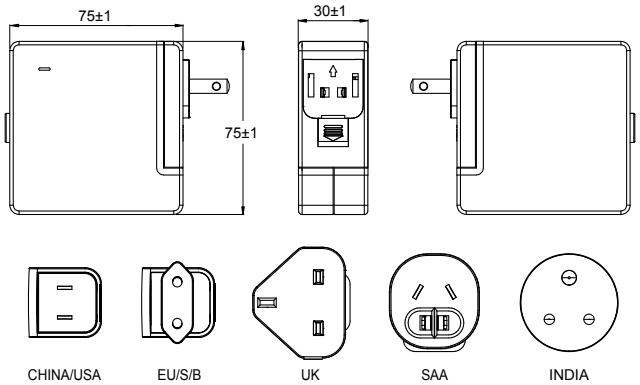
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 75L x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 300g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), FCC Part 15B, UKCA

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption
  Less than 50W: ≤ 0.1W
  More than (includes) 50W: ≤ 0.21W
- MTBF > 100,000 hours

EM1068 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1068XA	25W	5~9V	0A	5A	± 5%	± 1%	180mV
EM1068XB	40W	12~16V	0A	3.33A	± 5%	± 1%	240mV
EM1068XC	40W	18~24V	0A	2.1A	± 5%	± 1%	360mV
EM1068XD	40W	32~42V	0A	1.25A	± 5%	± 1%	630mV
EM1068XE	40W	44~56V	0A	0.9A	± 5%	± 1%	840mV
EM1068XF	30W	5~9V	0A	6A	± 5%	± 1%	180mV
EM1068XG	50W	12~16V	0A	4.16A	± 5%	± 1%	240mV
EM1068XH	50W	18~24V	0A	2.63A	± 5%	± 1%	360mV
EM1068XJ	50W	32~42V	0A	1.56A	± 5%	± 1%	630mV
EM1068XK	50W	44~56V	0A	1.13A	± 5%	± 1%	840mV
EM1068XW	40W	5~9V	0A	8A	± 5%	± 1%	180mV
EM1068XM	35W	5~9V	0A	7A	± 5%	± 1%	180mV
EM1068XN	60W	12~16V	0A	5A	± 5%	± 1%	240mV
EM1068XP	60W	18~24V	0A	3.15A	± 5%	± 1%	360mV
EM1068XQ	60W	32~42V	0A	1.87A	± 5%	± 1%	630mV
EM1068XR	60W	44~56V	0A	1.36A	± 5%	± 1%	840mV
EM1068XY	65W	12~16V	0A	5.42A	± 5%	± 1%	240mV
EM1068XS	45W	5~9V	0A	9A	± 5%	± 1%	180mV
EM1068XU	72W	12~16V	0A	6A	± 5%	± 1%	240mV
EM1068XV	72W	18~24V	0A	3.78A	± 5%	± 1%	360mV
EM1068XL	72W	32~42V	0A	2.25A	± 5%	± 1%	630mV
EM1068XT	72W	44~56V	0A	1.63A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

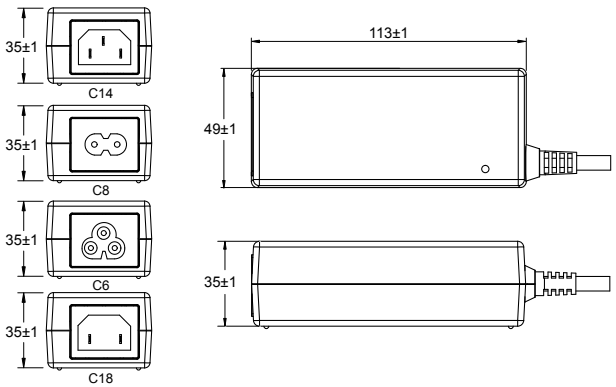
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off / Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: UL 62368-1 (Class I only), CAN/CSA C22.2 No. 62368-1 (Class I only), CCC, NRCAN, BSMI, PSE, KC, CU, PSB

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 100,000 hours

EM1095 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1095XC	84W	12~18V	0A	7A	± 5%	± 1%	270mV
EM1095XD	80W	18~24V	0A	4.44A	± 5%	± 1%	360mV
EM1095XE	90W	18~24V	0A	5A	± 5%	± 1%	360mV
EM1095XF	90W	12~18V	0A	7.5A	± 5%	± 1%	270mV
EM1095XG	80W	32~42V	0A	2.5A	± 5%	± 1%	630mV
EM1095XH	80W	44~56V	0A	1.81A	± 5%	± 1%	840mV
EM1095XJ	90W	32~42V	0A	2.81A	± 5%	± 1%	630mV
EM1095XK	90W	44~56V	0A	2.04A	± 5%	± 1%	840mV
EM1095XL	100W	32~42V	0A	3.12A	± 5%	± 1%	630mV
EM1095XM	100W	44~56V	0A	2.27A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤ 2.5A
- Inrush Current ≤ 120A/230VAC
- Hold Up Time ≥ 8.3ms
- Turn On Time ≤ 3s

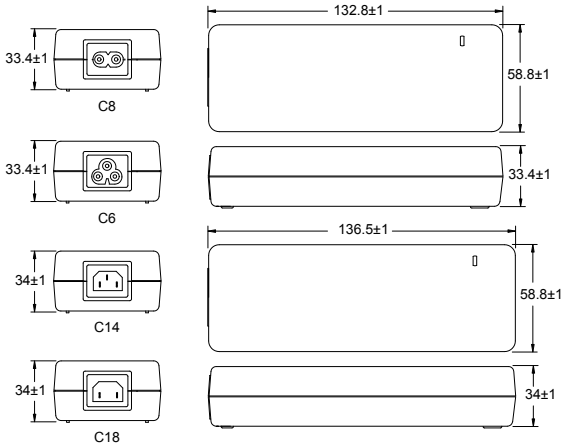
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Latch-off

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C8, C6
- Case Size: 136.5L x 58.8W x 34H (mm) for AC inlet C14, C18
- Weight: 420g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: RCM, NRCAN

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 100,000 hours

EM1101 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1101XA	80W	12~16V	0A	6.66A	± 5%	± 1%	240mV
EM1101XB	90W	12~16V	0A	7.5A	± 5%	± 1%	240mV
EM1101XC	90W	19~24V	0A	4.73A	± 5%	± 1%	360mV
EM1101XD	100W	12~16V	0A	8.33A	± 5%	± 1%	240mV
EM1101XE	100W	19~24V	0A	5.26A	± 5%	± 1%	360mV
EM1101XF	110W	12~16V	0A	9.16A	± 5%	± 1%	240mV
EM1101XG	110W	19~24V	0A	5.78A	± 5%	± 1%	360mV
EM1101XH	120W	12~16V	0A	10A	± 5%	± 1%	240mV
EM1101XM	120W	19~24V	0A	6.31A	± 5%	± 1%	360mV
EM1101XN	100W	48~56V	0A	2.08A	± 5%	± 1%	840mV
EM1101XP	130W	48~56V	0A	2.7A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

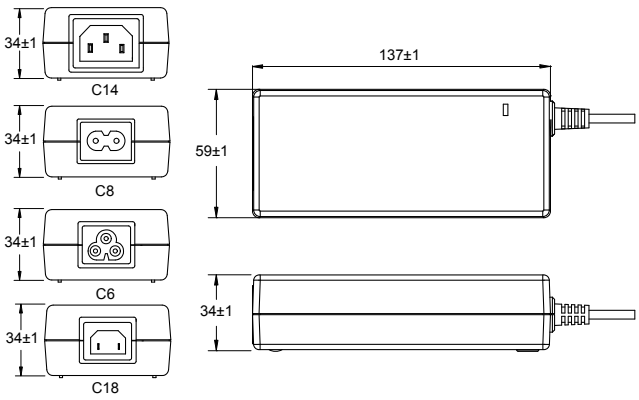
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

GaN Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP, IEC/EN60601-1 Compliance
- Gallium Nitride Based Design
- Compact Size
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EM1122 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1122XA	100W	12~15V	0A	8.33A	± 5%	± 1%	240mV
EM1122XB	100W	19~24V	0A	5.26A	± 5%	± 1%	380mV
EM1122XC	100W	28~36V	0A	3.57A	± 5%	± 1%	640mV
EM1122XD	100W	48~56V	0A	2.08A	± 5%	± 1%	880mV
EM1122XE	120W	12~15V	0A	10A	± 5%	± 1%	240mV
EM1122XF	120W	19~24V	0A	6.31A	± 5%	± 1%	380mV
EM1122XG	120W	28~36V	0A	4.28A	± 5%	± 1%	640mV
EM1122XH	120W	48~56V	0A	2.5A	± 5%	± 1%	880mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2A to 0.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

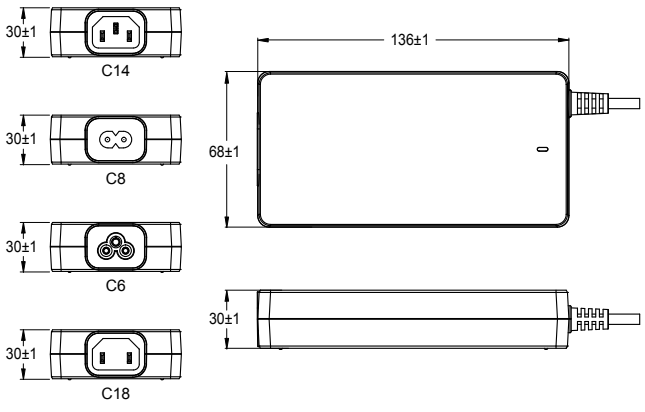
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off or Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 136L x 68W x 30H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 400g

SAFETY

• Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 50,000 hours

EM1170 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1170XA	130W	12~16V	0A	10.83A	± 5%	± 1%	240mV
EM1170XB	130W	19~24V	0A	6.84A	± 5%	± 1%	360mV
EM1170XC	140W	12~16V	0A	11.66A	± 5%	± 1%	240mV
EM1170XD	140W	19~24V	0A	7.36A	± 5%	± 1%	360mV
EM1170XE	150W	12~16V	0A	12.5A	± 5%	± 1%	240mV
EM1170XF	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EM1170XG	150W	32~42V	0A	4.68A	± 5%	± 1%	630mV
EM1170XH	150W	44~56V	0A	3.12A	± 5%	± 1%	840mV
EM1170XJ	130W	32~42V	0A	4.06A	± 5%	± 1%	640mV
EM1170XK	130W	44~56V	0A	2.95A	± 5%	± 1%	840mV
EM1170XM	160W	12~16V	0A	13.33A	± 5%	± 1%	240mV
EM1170XN	160W	19~24V	0A	8.42A	± 5%	± 1%	360mV
EM1170XP	170W	19~24V	0A	8.94A	± 5%	± 1%	360mV
EM1170XQ	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EM1170XR	180W	32~42V	0A	5.62A	± 5%	± 1%	630mV
EM1170XS	180W	44~56V	0A	3.75A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

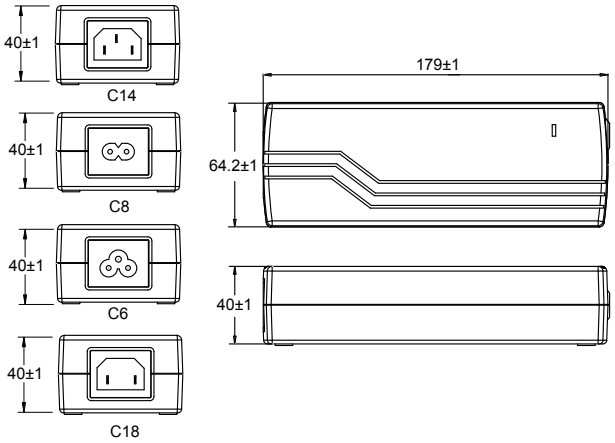
PROTECTION

•Short Circuit Protection	Auto Recovery
•Over Voltage Protection	Latch-off
•Over Current Protection	Auto Recovery
•Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 179L x 64.2W x 40H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 705g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: RCM, NRCAN

Above safety certificates are for reference only. Please contact our sales department for more details.

GaN Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- Compact Size
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EM1180 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1180XA	135W	12~15V	0A	11.25A	± 5%	± 1%	300mV
EM1180XB	135W	19~24V	0A	7.1A	± 5%	± 1%	360mV
EM1180XC	135W	28~36V	0A	4.82A	± 5%	± 1%	540mV
EM1180XD	135W	48~56V	0A	2.81A	± 5%	± 1%	840mV
EM1180XE	150W	12~15V	0A	12.5A	± 5%	± 1%	300mV
EM1180XF	150W	19~24V	0A	7.89A	± 5%	± 1%	360mV
EM1180XG	150W	28~36V	0A	5.35A	± 5%	± 1%	540mV
EM1180XH	150W	48~56V	0A	3.12A	± 5%	± 1%	840mV
EM1180XJ	170W	12~15V	0A	14.16A	± 5%	± 1%	300mV
EM1180XK	180W	19~24V	0A	9.47A	± 5%	± 1%	360mV
EM1180XM	180W	28~36V	0A	6.42A	± 5%	± 1%	540mV
EM1180XN	180W	48~56V	0A	3.75A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2.5A to 0.8A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 10ms
• Turn On Time	≤ 3s

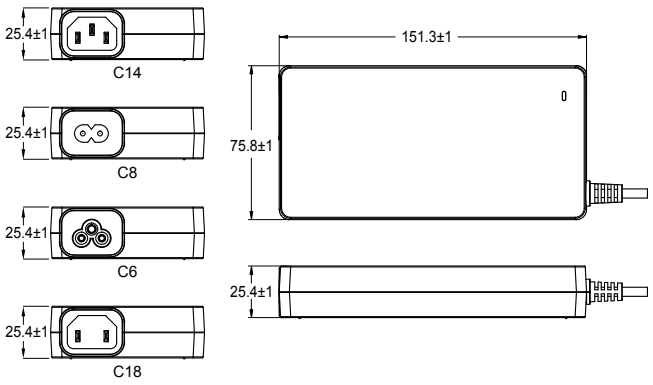
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 480g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 50,000 hours

EM1250 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1250XA	160W	12~18V	0A	13.33A	± 5%	± 1%	300mV
EM1250XB	180W	12~18V	0A	15A	± 5%	± 1%	300mV
EM1250XC	180W	19~28V	0A	9.47A	± 5%	± 1%	350mV
EM1250XD	200W	12~18V	0A	16.66A	± 5%	± 1%	300mV
EM1250XE	200W	19~28V	0A	10.52A	± 5%	± 1%	350mV
EM1250XF	200W	32~42V	0A	6.25A	± 5%	± 1%	450mV
EM1250XG	200W	44~56V	0A	4.54A	± 5%	± 1%	600mV
EM1250XH	220W	12~18V	0A	18.33A	± 5%	± 1%	300mV
EM1250XJ	220W	19~28V	0A	11.57A	± 5%	± 1%	350mV
EM1250XK	220W	32~42V	0A	6.87A	± 5%	± 1%	450mV
EM1250XL	220W	44~56V	0A	5A	± 5%	± 1%	600mV
EM1250XM	230W	19~28V	0A	12.1A	± 5%	± 1%	350mV
EM1250XN	230W	32~42V	0A	7.18A	± 5%	± 1%	450mV
EM1250XP	230W	44~56V	0A	5.22A	± 5%	± 1%	600mV
EM1250XQ	250W	19~28V	0A	13.15A	± 5%	± 1%	350mV
EM1250XR	250W	32~42V	0A	7.81A	± 5%	± 1%	450mV
EM1250XS	250W	44~56V	0A	5.68A	± 5%	± 1%	600mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	≤ 140A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

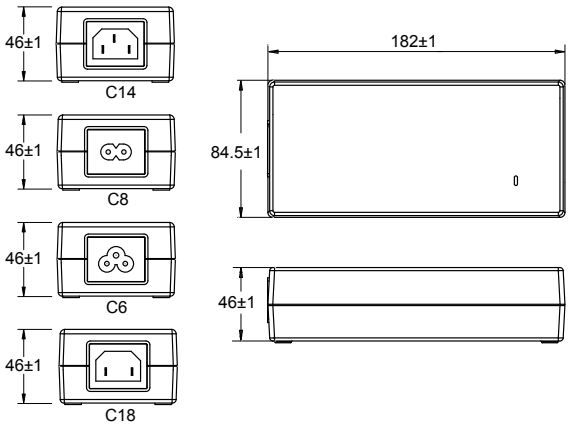
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 182L x 84.5W x 46H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1000g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B

Above safety certificates are for reference only. Please contact our sales department for more details.

GaN Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- Compact Size
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption ≤ 0.21W (VI), ≤ 0.15W (Tier II)
- MTBF > 100,000 hours

EM1251 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1251XA	200W	12~15V	0A	16.66A	± 5%	± 1%	300mV
EM1251XB	200W	19~24V	0A	10.52A	± 5%	± 1%	360mV
EM1251XC	200W	28~36V	0A	7.14A	± 5%	± 1%	540mV
EM1251XD	200W	48~56V	0A	4.16A	± 5%	± 1%	840mV
EM1251XE	230W	19~24V	0A	12.1A	± 5%	± 1%	360mV
EM1251XF	230W	28~36V	0A	8.21A	± 5%	± 1%	540mV
EM1251XG	230W	48~56V	0A	4.79A	± 5%	± 1%	840mV
EM1251XH	250W	19~24V	0A	13.15A	± 5%	± 1%	360mV
EM1251XJ	250W	28~36V	0A	8.92A	± 5%	± 1%	540mV
EM1251XK	250W	48~56V	0A	5.2A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.5A to 2.5A
• Inrush Current	≤ 140A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

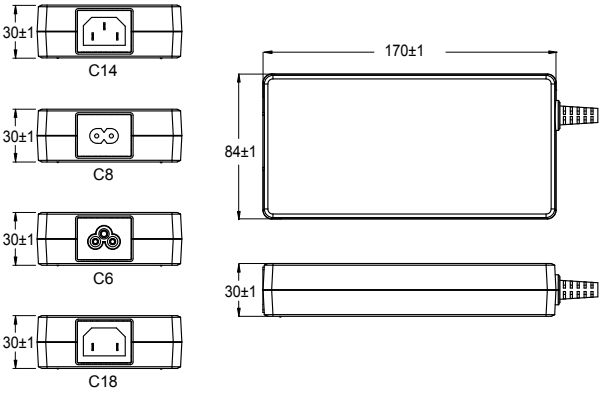
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 170L x 84W x 30H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 950g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 50,000 hours

EM1300 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1300XA	230W	12~18V	0A	19.16A	± 5%	± 1%	240mV
EM1300XB	240W	12~18V	0A	20A	± 5%	± 1%	240mV
EM1300XC	250.2W	12~18V	0A	20.85A	± 5%	± 1%	240mV
EM1300XD	260W	19~28V	0A	13.68A	± 5%	± 1%	360mV
EM1300XE	270W	19~28V	0A	14.21A	± 5%	± 1%	360mV
EM1300XF	270W	32~42V	0A	8.43A	± 5%	± 1%	630mV
EM1300XG	270W	44~56V	0A	6.13A	± 5%	± 1%	840mV
EM1300XH	280W	19~28V	0A	14.73A	± 5%	± 1%	360mV
EM1300XM	290W	19~28V	0A	15.26A	± 5%	± 1%	360mV
EM1300XN	300W	19~28V	0A	15.78A	± 5%	± 1%	360mV
EM1300XP	310W	32~42V	0A	9.68A	± 5%	± 1%	630mV
EM1300XQ	310W	44~56V	0A	7.04A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	5A to 2.5A
• Inrush Current	≤ 140A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

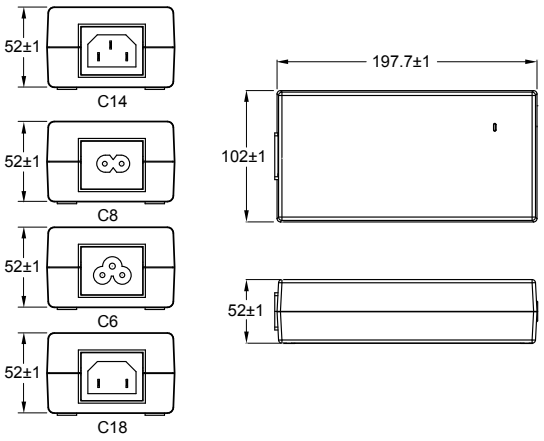
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 197.7L x 102W x 52H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1350g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) FCC Part 15B, CE EMC(EN 55032+EN 55035)

Above safety certificates are for reference only. Please contact our sales department for more details.

GaN Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP, IEC/EN60601-1 Compliance
- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency ≥ 89%~92% depends on models
- No Load Power Consumption < 1W
- MTBF > 100,000 hours

EM1450 X Y - vv PP

X: AC inlet: 1. C14
Y: Output range
vv: Specified output voltage, i.e. 19 is 19VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1450XA	450W	19~24V	0A	23.68A	± 5%	± 1%	360mV
EM1450XB	450W	28~36V	0A	16.07A	± 5%	± 1%	540mV
EM1450XC	450W	48~56V	0A	9.37A	± 5%	± 1%	840mV
EM1450XD	550W	36~42V	0A	15.27A	± 5%	± 1%	540mV
EM1450XE	550W	48~56V	0A	11.45A	± 5%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	7A to 3.5A
• Inrush Current	≤ 80A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

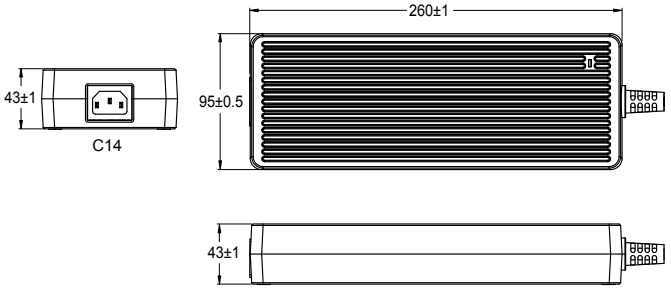
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 260L x 95W x 43H (mm)
- AC Inlet: C14
- Weight: 1600g

SAFETY

• Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2)
UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

PD Charger (USB Type-C)

- IEC/EN/UL 62368-1 Compliance
- Universal Input 100-240VAC
- Wall mounted/Desktop types
- USB Power Delivery Function
- Multiple Protections
- Energy Efficiency Level VI

EU204AS Series

• 45W Max.

GaN PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.3W
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU204AS X R - PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)			OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU204AS	45W	USB-C		5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	3A	± 5%	± 1%	240mV
				15V	0A	3A	± 5%	± 1%	240mV
				20V	0A	2.25A	± 5%	± 1%	240mV
	18W	USB-A		5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	2A	± 5%	± 1%	180mV
				12V	0A	1.5A	± 5%	± 1%	240mV
	45W	USB-C+A	USB-C (30W)	5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	2.5A	± 5%	± 1%	240mV
				15V	0A	2A	± 5%	± 1%	240mV
				20V	0A	1.5A	± 5%	± 1%	240mV
			USB-A (15W)	5V	0A	3A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

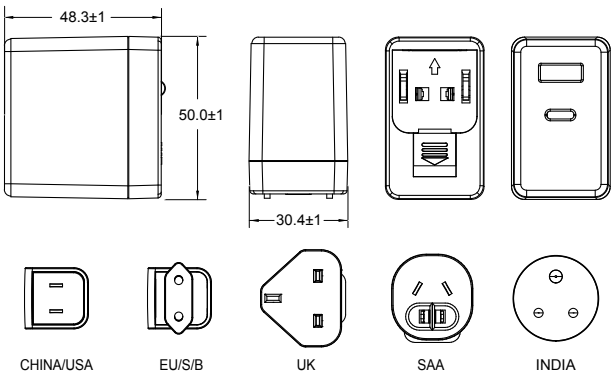
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 50L x 48.3W x 30.4H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

EU306AS Series

• *65W Max.*

GaN PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.3W
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU306AS X R - PP

X: Output range

R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)			OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU306AS	65W	USB-C1		5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	3A	± 5%	± 1%	240mV
				15V	0A	3A	± 5%	± 1%	240mV
				20V	0A	3.25A	± 5%	± 1%	240mV
	65W	USB-C2		5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	3A	± 5%	± 1%	240mV
				15V	0A	3A	± 5%	± 1%	240mV
				20V	0A	3.25A	± 5%	± 1%	240mV
	20W	USB-A		5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	2.22A	± 5%	± 1%	180mV
				12V	0A	1.66A	± 5%	± 1%	240mV
	65W	USB-C1+C2	C1 (45W)	5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	3A	± 5%	± 1%	240mV
				15V	0A	3A	± 5%	± 1%	240mV
				20V	0A	2.25A	± 5%	± 1%	240mV
			C2 (20W)	5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	2.22A	± 5%	± 1%	180mV
				12V	0A	1.66A	± 5%	± 1%	240mV
	65W	USB-C1+A	C1 (45W)	5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	3A	± 5%	± 1%	240mV
				15V	0A	3A	± 5%	± 1%	240mV
				20V	0A	2.25A	± 5%	± 1%	240mV
			A (20W)	5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	2.22A	± 5%	± 1%	180mV
				12V	0A	1.66A	± 5%	± 1%	240mV
	15W	USB-C2+A		5V	0A	3A	± 5%	± 1%	180mV
	60W	USB-C1+C2+A	C1 (45W)	5V	0A	3A	± 5%	± 1%	180mV
				9V	0A	3A	± 5%	± 1%	180mV
				12V	0A	3A	± 5%	± 1%	240mV
				15V	0A	3A	± 5%	± 1%	240mV
				20V	0A	2.25A	± 5%	± 1%	240mV
			C2+A (15W)	5V	0A	3A	± 5%	± 1%	180mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

EU306AS Series

• *65W Max.*

GaN PD Charger (USB Type-C)

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

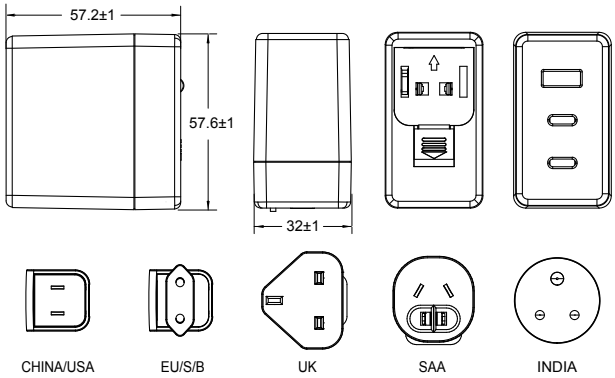
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 57.6L x 57.2W x 32H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

EU106A Series

• 65W Max.

GaN PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU106A X Y - PP

X: AC inlet: 2. C8 3. C6
Y: Output range
PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU106A	65W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	240mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	3.25A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

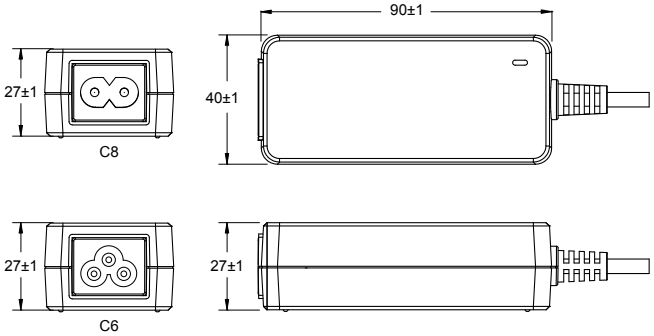
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 90L x 40W x 27H (mm)
- AC Inlet: C8, C6
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Above safety certificates are for reference only. Please contact our sales department for more details.

EA1045 Series

• 30~45W Max.

PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045 X Y - PP

X: Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AY	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045BY	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045CY	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV
EA1045DY	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	2.5A	± 5%	± 1%	200mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045EY	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045FY	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

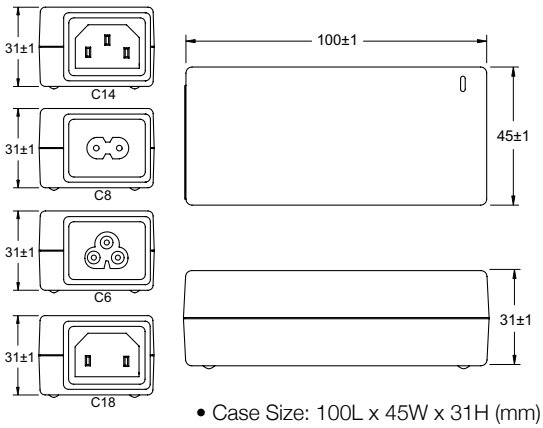
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL

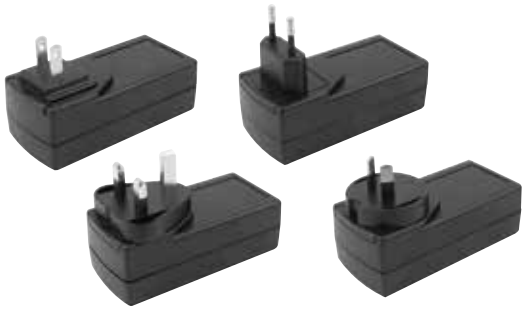


- Case Size: 100L x 45W x 31H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B, Complied with CE EMC(EN 55032+EN 55035)

PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045 X Y - PP

X: Output range
Y: AC plug type: • U: USA • E: EU • K: UK • A: SAA
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AY	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045BY	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045CY	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV
EA1045DY	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	2.5A	± 5%	± 1%	200mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045EY	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045FY	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

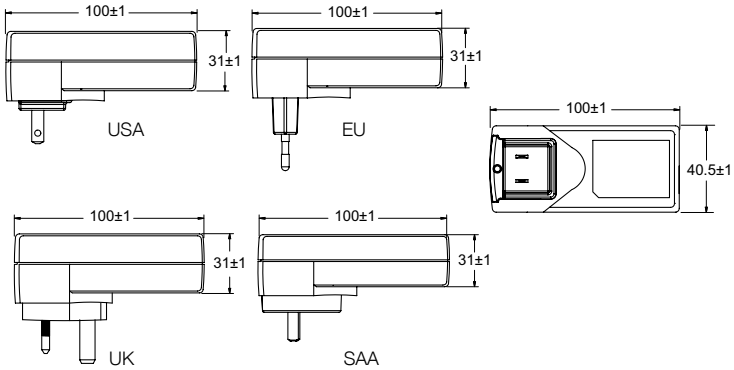
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 100L x 40.5W x 31H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 220g

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B, Complied with CE EMC(EN 55032+EN 55035)
- Certified for assigned models: PSE

Above safety certificates are for reference only. Please contact our sales department for more details.

PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045 X R - PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AR	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045BR	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045CR	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV
EA1045DR	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	2.5A	± 5%	± 1%	200mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045ER	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045FR	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

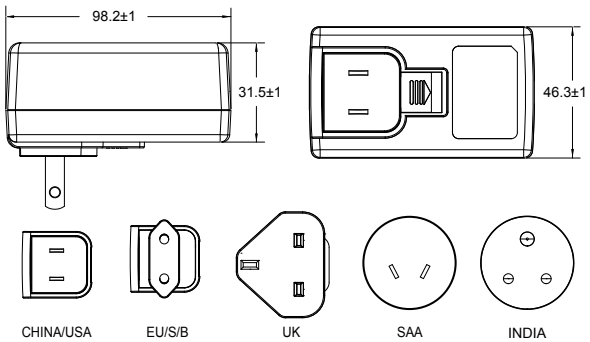
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 98.2L x 46.3W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 200g

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B, Complied with CE EMC(EN 55032+EN 55035)
- Certified for assigned models: PSE

PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours

EA1045S X R - PP

X: Output range
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• S: South Africa • B: Korea • I: India
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045SAR	30W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	2.5A	± 5%	± 1%	200mV
		15V	0A	2A	± 5%	± 1%	300mV
		20V	0A	1.5A	± 5%	± 1%	360mV
EA1045SBR	36W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	2.4A	± 5%	± 1%	300mV
		20V	0A	1.8A	± 5%	± 1%	360mV
EA1045SCR	45W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	200mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	2.25A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

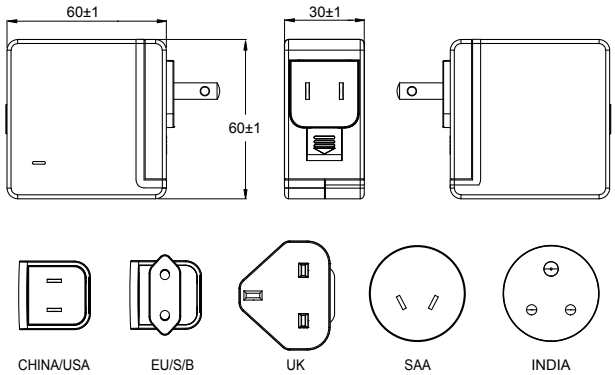
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery or Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 60L x 60W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B: Korea, I: India
- Weight: 190g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, BSMI, UKCA
- Certified for assigned models: PSE, BIS, CU, PSB

Above safety certificates are for reference only. Please contact our sales department for more details.

PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- LED Indicator
- LPS compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21W
- MTBF > 100,000 hours

EA1062 X Y - PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062XY	60W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		15V					300mV
		20V					360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

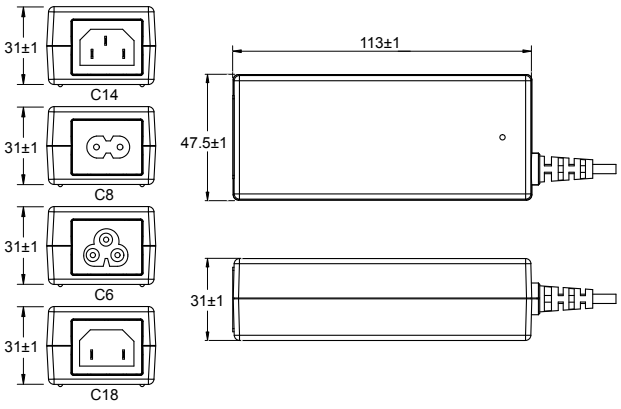
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 113L x 47.5W x 31H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 60950-1, CB IEC 60950-1, FCC, CE
- Certified for assigned models: CCC

PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- LED Indicator
- LPS Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤0.21W
- MTBF > 100,000 hours

EA1062S X R - PP

X: Output range

R: Interchangeable AC plug:
- U: USA • E: EU • K: UK • A: SAA • C: China
- S: South Africa • B: Korea • I: India

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062SAR	65W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	240mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	3.25A	± 5%	± 1%	360mV
EA1062SBR	60W	5V	0A	3A	± 5%	± 1%	100mV
		9V	0A	3A	± 5%	± 1%	180mV
		12V	0A	3A	± 5%	± 1%	240mV
		15V	0A	3A	± 5%	± 1%	300mV
		20V	0A	3A	± 5%	± 1%	360mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 100A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

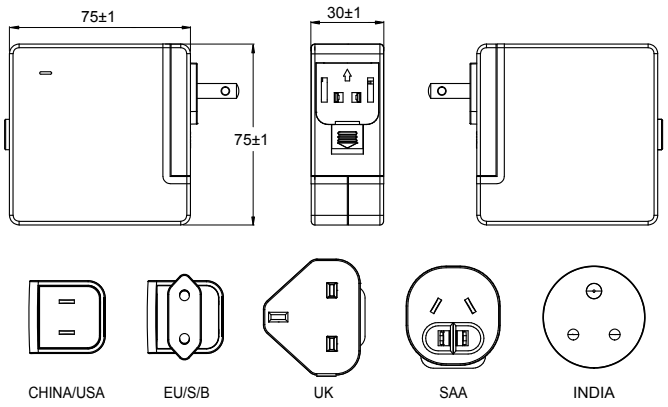
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Optional

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 75 x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
  S: South Africa, B:Korea, I: India
- Weight: 250g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE, KC

Above safety certificates are for reference only. Please contact our sales department for more details.

PD Charger (USB Type-C)

Features

- USB Power Delivery Function
- LED Indicator
- Active PFC Function
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 50,000 hours

EA1103 X Y - PP

X: AC inlet: 1. C14 2. C8 3. C6 (Class I) 6. C18 7. C6 (Class II)
Y: Output range
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1103XA	85W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		12V					240mV
		15V					300mV
		20V		4.25A			360mV
EA1103XB	90W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		12V					240mV
		15V					300mV
		20V		4.5A			360mV
EA1103XC	100W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		12V					240mV
		15V					300mV
		20V		5A			360mV
EA1103XD	85W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		15V					300mV
		20V		4.25A			360mV
EA1103XE	90W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		15V					300mV
		20V		4.5A			360mV
EA1103XF	100W	5V	0A	3A	± 5%	± 1%	100mV
		9V					180mV
		15V					300mV
		20V		5A			360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

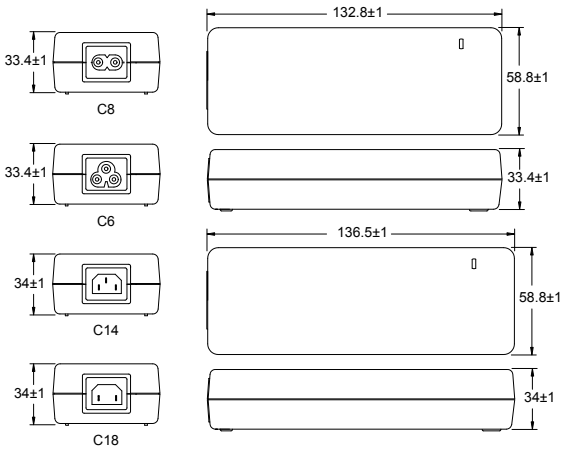
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Latch-off (optional)

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C8, C6
  136.5L x 58.8W x 34H (mm) for AC inlet C14, C18
- Weight: 600g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)
- Certified for assigned models: CCC, PSE, RCM, CU, NRCAN

ED1046P Series

• *45W Max.*

PD Car Adaptor

Features

- USB Power Delivery Function
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 83% Min. Nominal Input
- MTBF > 50,000 hours

ED1046XP - PP

X : Output type: S(SR), U(USB)
PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE(Max)
ED1046SP	45W	11~16V	5V	0A	3A	± 5%	± 1%	100mV
			9V	0A	3A	± 5%	± 1%	180mV
			12V	0A	3A	± 5%	± 1%	240mV
			15V	0A	3A	± 5%	± 1%	300mV
			20V	0A	2.25A	± 5%	± 1%	360mV
ED1046UP	45W	11~16V	5V	0A	3A	± 5%	± 1%	100mV
			9V	0A	3A	± 5%	± 1%	180mV
			12V	0A	3A	± 5%	± 1%	240mV
			15V	0A	3A	± 5%	± 1%	300mV
			20V	0A	2.25A	± 5%	± 1%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 16 VDC
• Input Current	7A Max
• Turn On Time	≤ 3s

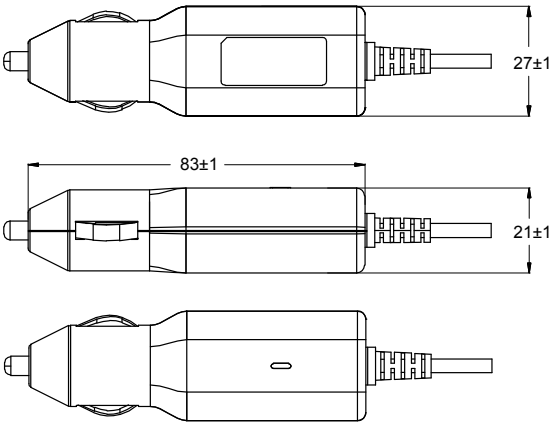
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

SAFETY

- Complied with CE (EMC+LVD EN62368-1), FCC Part 15B

Above safety certificates are for reference only. Please contact our sales department for more details.

Battery Charger

- UL/cUL 1012, EN/IEC 60335-1, EN/IEC 60335-2-29 Compliance
- Universal Input 100-240VAC
- Multiple Protections
- Lithium-ion & Lead-Acid Battery Chargers Available

EC1085 Series

• 42~84W Max.

Lithium-ion Battery Charger

Features

- Application: E-bike, E-scooter, E-wheelchair, E-tool
- CC/CV Charging Mode
- For 42V/10S Battery Pack Use
- Battery Polarity Reverse Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- No Load Power Consumption ≤ 1W
- MTBF > 100,000 hours

EC1085 X Y - vv PP

X: AC inlet: 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 42 is 42VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

For 10S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC1085XA	84W	42V	0A	2A	± 5%	± 1%	300mV
EC1085XB	42W	42V	0A	1A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.2A
• Inrush Current	≤ 70A/230VAC

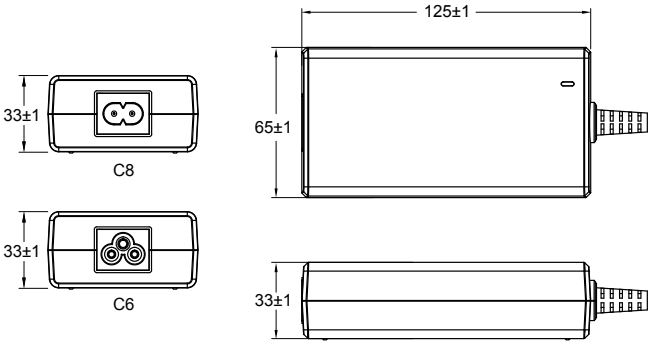
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	0 to 40°C
• Storage Temperature	-20 to 60°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 90%

MECHANICAL



- Case Size: 125L x 65W x 33H (mm)
- AC Inlet: C8, C6
- Weight: 420g

SAFETY

- Certified for whole series: EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2), UKCA, Complied with UL 1012
- Certified for assigned models: BSMI

Above safety certificates are for reference only. Please contact our sales department for more details.

EC1168 Series

• 84~168W Max.

Lithium-ion Battery Charger

Features

- Application: E-bike, E-scooter, E-wheelchair, E-tool
- CC/CV Charging Mode
- For 42V/10S & 54.6V/13S Battery Pack Use
- Battery Polarity Reverse Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- No Load Power Consumption ≤ 1W
- MTBF > 100,000 hours

EC1168 X Y - vv PP

X: AC inlet: 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 42 is 42VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

For 10S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC1168XA	84W	42V	0A	2A	± 5%	± 1%	600mV
EC1168XB	126W	42V	0A	3A	± 5%	± 1%	600mV
EC1168XC	168W	42V	0A	4A	± 5%	± 1%	600mV

For 13S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC1168XD	109.2W	54.6V	0A	2A	± 5%	± 1%	800mV
EC1168XE	163.8W	54.6V	0A	3A	± 5%	± 1%	800mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 2.5A
• Inrush Current	≤ 120A/230VAC

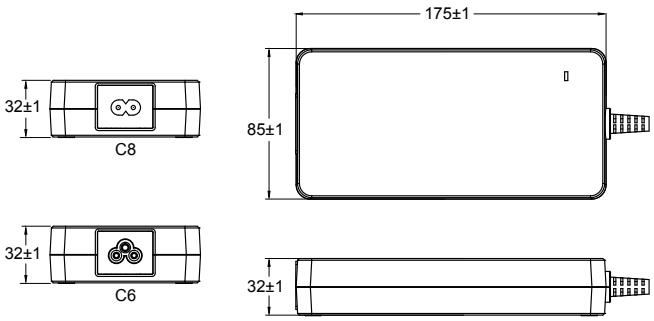
PROTECTION

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Latch-off

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 90%

MECHANICAL



- Case Size: 175L x 85W x 32H (mm)
- AC Inlet: C8, C6
- Weight: 670g

SAFETY

• Certified for whole series: EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2), UKCA, Complied with UL 1012

Lead-Acid Battery Charger

Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/12~35Ah Lead-Acid Battery

EA1089 Y - vv PP

Y: Charge current
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type

General Specification

OUTPUT

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1089D	3A	29.4V	27.5V
EA1089C	3.5A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2.5A Max.
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

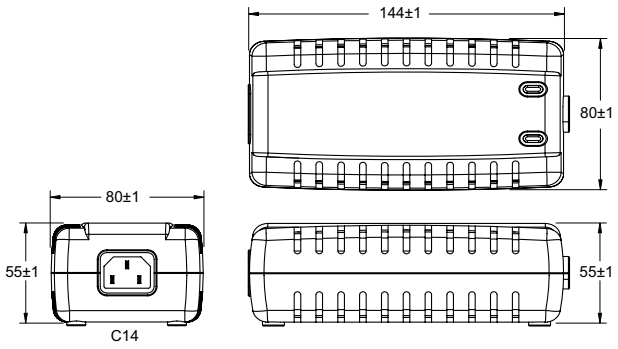
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 144L x 80W x 55H (mm)
- AC Inlet: C14
- Weight: 560g

SAFETY

• Complied with UL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

Lead-Acid Battery Charger

Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/15~45Ah Lead-Acid Battery

EA1118 Y - vv PP

Y: Charge current
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type

General Specification

OUTPUT

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1118D	4A	29.4V	27.5V
EA1118C	4.5A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3.2A Max.
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

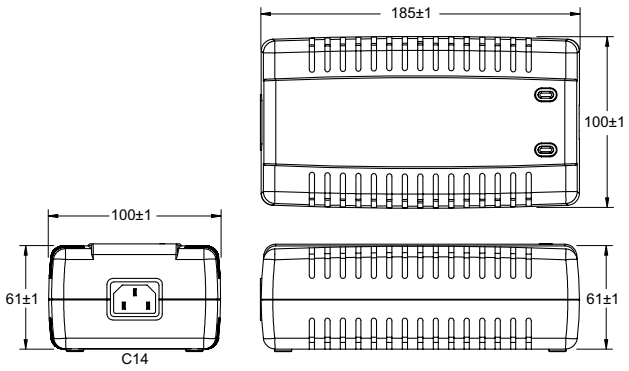
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: C14
- Weight: 650g

SAFETY

• Complied with UL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

Lead-Acid Battery Charger

Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/17~55Ah Lead-Acid Battery

EA1148 Y - vv PP

Y: Charge current
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type

General Specification

OUTPUT

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1148D	5A	29.4V	27.5V
EA1148C	5.5A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	4A Max.
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

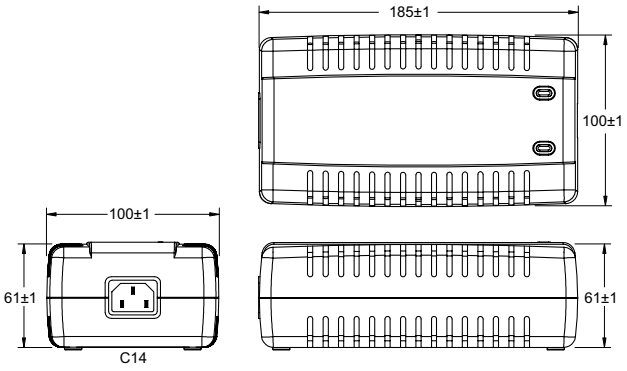
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: C14
- Weight: 850g

SAFETY

• Complied with UL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

Above safety certificates are for reference only. Please contact our sales department for more details.

Lead-Acid Battery Charger

Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/55~90Ah Lead-Acid Battery

EA1230B - PP

PP: DC plug type

General Specification

OUTPUT

MODEL NO.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1230B	8A	29.4V	27.5V

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	6A Max.
• Inrush Current	≤ 220A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

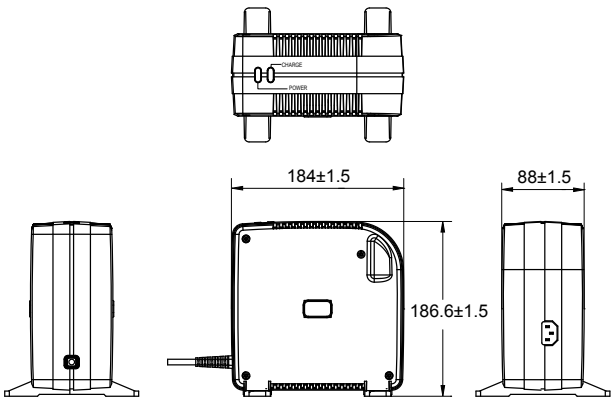
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 184L x 88W x 186.6H (mm)
- AC Inlet: C14
- DC Cable: SVT

SAFETY

- Certified for whole series: UL/cUL 1012, EN/IEC 60335-1/EN IEC 60335-2-29
- Complied with CE, FCC

Above safety certificates are for reference only. Please contact our sales department for more details.

Open Frame
Switching Power Supply

- Designs based on ITE, Medical, and Household Regulations
- 2 x MOPP Compliance
- Universal Input 100-240VAC
- 2.5"x1.5" / 3"x2" / 4"x2" / 5"x3" Complete Dimensions for Selection
- Multiple Protections
- Customized Solutions Avaliable

Medical / ITE Open Frame

Features

- 2.5" x 1.5" Compact Size
- 2 x MOPP, IEC/EN60601-1 Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency ≥ 88%~90% depends on models
- No Load Power Consumption ≤ 0.1W
- MTBF > 100,000 hours
- Low Leakage Current
- Customized Solutions Available

EPM104A U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EPM104AA	30W	12~15V	0A	2.5A	± 2%	± 1%	240mV
EPM104AB	30W	19~24V	0A	1.57A	± 2%	± 1%	360mV
EPM104AC	30W	28~36V	0A	1.07A	± 2%	± 1%	540mV
EPM104AD	30W	48~56V	0A	0.62A	± 2%	± 1%	840mV
EPM104AE	40W	12~15V	0A	3.33A	± 2%	± 1%	240mV
EPM104AF	40W	19~24V	0A	2.1A	± 2%	± 1%	360mV
EPM104AG	40W	28~36V	0A	1.42A	± 2%	± 1%	540mV
EPM104AH	40W	48~56V	0A	0.83A	± 2%	± 1%	840mV
EPM104AJ	48W	12~15V	0A	4A	± 2%	± 1%	240mV
EPM104AK	48W	19~24V	0A	2.52A	± 2%	± 1%	360mV
EPM104AL	48W	28~36V	0A	1.71A	± 2%	± 1%	540mV
EPM104AM	48W	48~56V	0A	1A	± 2%	± 1%	840mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	≤ 1.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

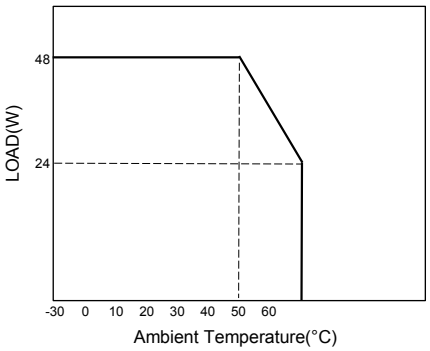
PROTECTION

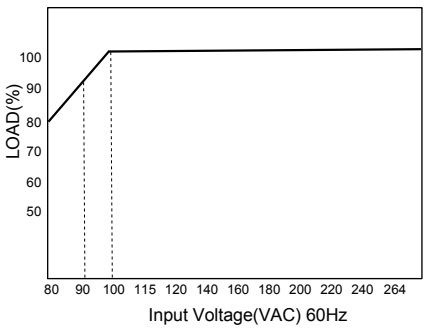
• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

DERATING CURVE



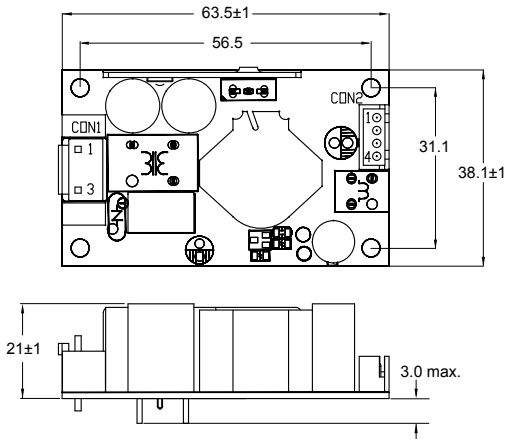


SAFETY

• Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2)
UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Medical / ITE Open Frame

MECHANICAL



- Mechanical Size: 63.5L x 38.1W x 21H (mm)
- Pin Assignment:

AC Input Connector (CON1): JST B3P-VH or equivalent

Pin No	Assignmant	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector (CON2): JST B4P-VH or equivalent

Pin No	Assignmant	Mating Housing	Terminal
1, 2	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3, 4	-V		

- Weight: 53.8g

EPM106A Series

• 45~65W Max.

Medical / ITE Open Frame

Features

- 3" x 2" Compact Size
- 2 x MOPP, IEC/EN60601-1 Compliance
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency ≥ 88%~91% depends on models
- No Load Power Consumption ≤ 0.15W
- MTBF > 100,000 hours
- Low leakage Current
- Customized Solutions Available

EPM106A U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EPM106AA	45W	12~15V	0A	3.75A	± 2%	± 0.5%	200mV
EPM106AB	45W	19~24V	0A	2.36A	± 1%	± 0.5%	300mV
EPM106AC	45W	28~36V	0A	1.6A	± 1%	± 0.5%	450mV
EPM106AD	45W	48~56V	0A	0.93A	± 1%	± 0.5%	600mV
EPM106AE	50W	12~15V	0A	4.16A	± 2%	± 0.5%	200mV
EPM106AF	50W	19~24V	0A	2.63A	± 1%	± 0.5%	300mV
EPM106AG	50W	28~36V	0A	1.78A	± 1%	± 0.5%	450mV
EPM106AH	50W	48~56V	0A	1.04A	± 1%	± 0.5%	600mV
EPM106AJ	60W	12~15V	0A	5A	± 2%	± 0.5%	200mV
EPM106AK	60W	19~24V	0A	3.15A	± 1%	± 0.5%	300mV
EPM106AL	60W	28~36V	0A	2.14A	± 1%	± 0.5%	450mV
EPM106AM	60W	48~56V	0A	1.25A	± 1%	± 0.5%	600mV
EPM106AN	65W	12~15V	0A	5.41A	± 2%	± 0.5%	200mV
EPM106AP	65W	19~24V	0A	3.42A	± 1%	± 0.5%	300mV
EPM106AQ	65W	28~36V	0A	2.32A	± 1%	± 0.5%	450mV
EPM106AS	65W	48~56V	0A	1.35A	± 1%	± 0.5%	600mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2A to 0.5A
• Inrush Current	≤ 120A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

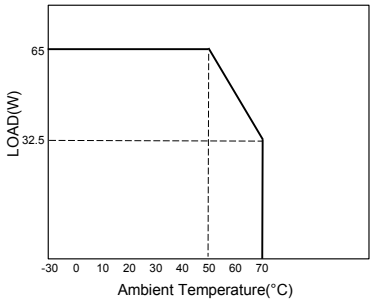
PROTECTION

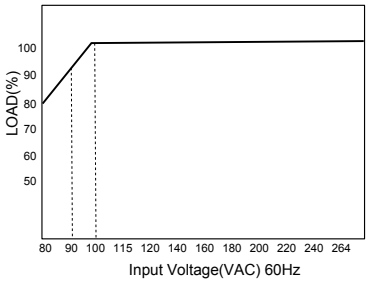
• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

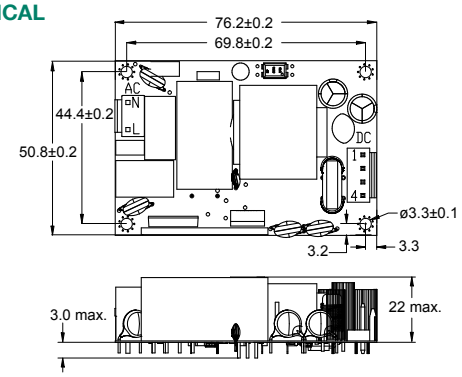
• Operating Temperature	-20 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

DERATING CURVE





MECHANICAL



- Mechanical Size: 76.2L x 50.8W x 22H (mm)
- AC Input Connector: JST VHR Series or equivalent
- DC Output Connector: JST VHR Series or equivalent
- Pin Assignment:

AC Input Connector:

Pin No.	Assignment
1	AC/L
2	No Pin
3	AC/N

DC Output Connector:

Pin No.	Assignment
1, 2	+V
3, 4	-V

- Weight: 110g

SAFETY

- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Medical / ITE Open Frame

Features

- 3" x 2" Compact Size
- 2 x MOPP, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency ≥ 90%~92% depends on models
- No Load Power Consumption ≤ 0.3W
- MTBF > 100,000 hours
- Low Leakage Current
- 120W Convection / 150W Peak Load 10s /150W Forced Air
- Customized Solutions Available

EPM1122 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)			OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)			LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Peak(10s)	Forced air 10CFM			Convection	Peak(10s)	Forced air 10CFM			
EPM1122A	100W	130W	130W	12V	0A	8.33A	10.83A	10.83A	± 1%	± 0.5%	100mV
EPM1122B	100W	130W	130W	15V	0A	6.66A	8.66A	8.66A	± 1%	± 0.5%	120mV
EPM1122C	100W	130W	130W	24V	0A	4.16A	5.41A	5.41A	± 1%	± 0.5%	150mV
EPM1122D	100W	130W	130W	27V	0A	3.7A	4.81A	4.81A	± 1%	± 0.5%	150mV
EPM1122E	100W	130W	130W	36V	0A	2.77A	3.61A	3.61A	± 1%	± 0.5%	200mV
EPM1122F	100W	130W	130W	48V	0A	2.08A	2.7A	2.7A	± 1%	± 0.5%	200mV
EPM1122G	114W	142W	142W	12V	0A	9.5A	11.83A	11.83A	± 1%	± 0.5%	100mV
EPM1122H	114W	142W	142W	15V	0A	7.6A	9.46A	9.46A	± 1%	± 0.5%	120mV
EPM1122J	120W	150W	150W	24V	0A	5A	6.25A	6.25A	± 1%	± 0.5%	150mV
EPM1122K	120W	150W	150W	27V	0A	4.44A	5.55A	5.55A	± 1%	± 0.5%	150mV
EPM1122L	120W	150W	150W	36V	0A	3.33A	4.16A	4.16A	± 1%	± 0.5%	200mV
EPM1122M	120W	150W	150W	48V	0A	2.5A	3.12A	3.12A	± 1%	± 0.5%	200mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	2.5 A to 0.5A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 15ms
• Turn On Time	≤ 600ms

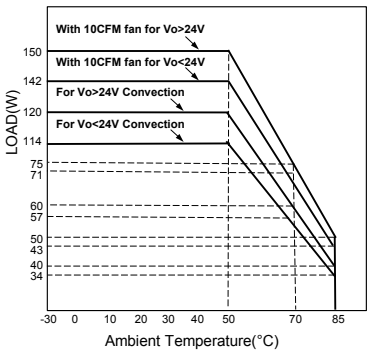
PROTECTION

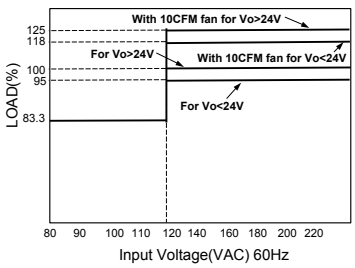
• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

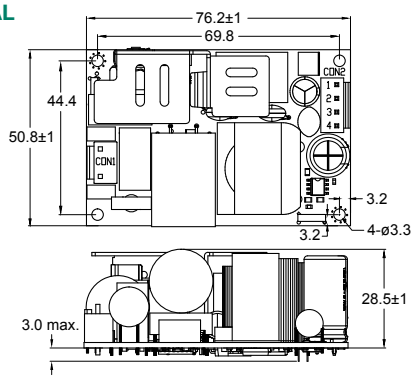
• Operating Temperature	-20 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

DERATING CURVE





MECHANICAL



- Mechanical Size: 76.2L x 50.8W x 28.5H (mm)
- AC Input Connector: JST VHR Series or equivalent
- DC Output Connector: JST VHR Series or equivalent
- Pin Assignment:

AC Input Connector:

Pin No.	Assignment
1	AC/L
2	No Pin
3	AC/N

DC Output Connector:

Pin No.	Assignment
1, 2	+V
3, 4	-V

- Weight: 200g

SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

EPM1153 Series

• 130~200W Max.

Medical / ITE Open Frame

Features

- 4" x 2" Compact Size
- 2 x MOPP, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency ≥ 90%~93% depends on models
- No Load Power Consumption ≤ 0.3W
- MTBF > 100,000 hours
- Low Leakage Current
- 150W Convection / 200W Forced Air
- Customized Solutions Available

EPM1153 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Forced air 10CFM			Convection	Forced air 10CFM			
EPM1153A	130W	170W	12V	0A	10.83A	14.16A	± 1%	± 0.5%	100mV
EPM1153B	130W	170W	15V	0A	8.66A	11.33A	± 1%	± 0.5%	100mV
EPM1153C	130W	170W	24V	0A	5.41A	7.08A	± 1%	± 0.5%	120mV
EPM1153D	130W	170W	27V	0A	4.81A	6.29A	± 1%	± 0.5%	120mV
EPM1153E	130W	170W	48V	0A	2.7A	3.54A	± 1%	± 0.5%	120mV
EPM1153F	150W	200W	12V	0A	12.5A	16.66A	± 1%	± 0.5%	100mV
EPM1153G	150W	200W	15V	0A	10A	13.33A	± 1%	± 0.5%	100mV
EPM1153H	150W	200W	24V	0A	6.25A	8.33A	± 1%	± 0.5%	120mV
EPM1153J	150W	200W	27V	0A	5.55A	7.4A	± 1%	± 0.5%	120mV
EPM1153K	150W	200W	48V	0A	3.12A	4.16A	± 1%	± 0.5%	120mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	3A to 1A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 1s

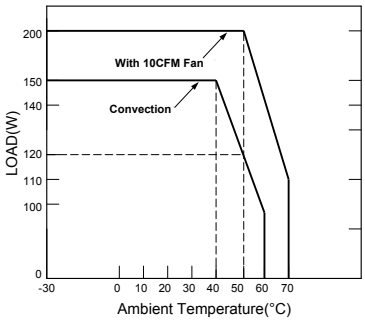
PROTECTION

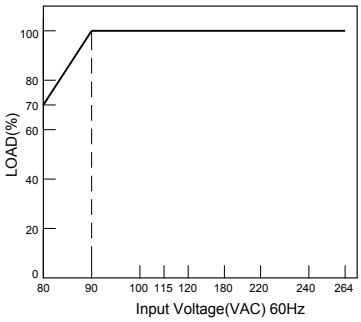
• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

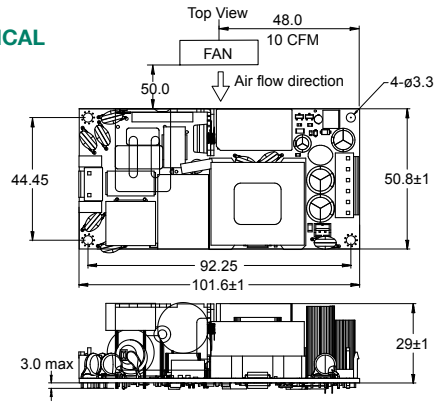
• Operating Temperature	-20 to 50°C
• Storage Temperature	-40 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

DERATING CURVE





MECHANICAL



- Mechanical Size: 101.6L x 50.8W x 29H (mm)
- Pin Assignment:
  AC Input Connector (CON1) : JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector (CON2) : JST B6P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1, 2, 3	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
4, 5, 6	-V		

- Weight: 200g

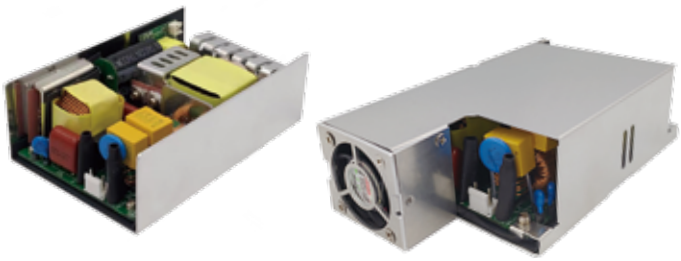
SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

EPM1350 Series

• 300~500W Max.

Medical / ITE Open Frame



Features

- 5" x 3" Compact Size
- 2 x MOPP, IEC/EN60601-1 Approval
- Protections:
  Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency ≥ 89%~92% depends on models
- No Load Power Consumption ≤ 0.5 W
- MTBF > 100,000 hours
- Low Leakage Current
- 350W Convection / 500W Forced Air
- 5V Stand by &12V Fan Supply (optional)
- Customized Solutions Available

EPM V 350 U - XX YY

V: Numbers of outputs
U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.		OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
		Convection	Forced air 25CFM			Convection	Forced air 25CFM			
Single Output	EPM1350A	300W	400W	12V	0A	25A	33.33A	± 1%	± 0.5%	200mV
	EPM1350B	300W	400W	15V	0A	20A	26.66A	± 1%	± 0.5%	200mV
	EPM1350C	300W	400W	18V	0A	16.67A	22.22A	± 1%	± 0.5%	200mV
	EPM1350D	300W	400W	24V	0A	12.5A	16.66A	± 1%	± 0.5%	240mV
	EPM1350E	300W	400W	27V	0A	11.11A	14.81A	± 1%	± 0.5%	270mV
	EPM1350F	300W	400W	36V	0A	8.33A	11.11A	± 1%	± 0.5%	360mV
	EPM1350G	300W	400W	48V	0A	6.25A	8.33A	± 1%	± 0.5%	480mV
	EPM1350H	330W	450W	12V	0A	27.5A	37.5A	± 1%	± 0.5%	200mV
	EPM1350J	330W	450W	15V	0A	22A	30A	± 1%	± 0.5%	200mV
	EPM1350K	350W	500W	18V	0A	19.44A	27.77A	± 1%	± 0.5%	200mV
	EPM1350L	350W	500W	24V	0A	14.58A	20.83A	± 1%	± 0.5%	240mV
	EPM1350M	350W	500W	27V	0A	12.96A	18.51A	± 1%	± 0.5%	270mV
	EPM1350N	350W	500W	36V	0A	9.72A	13.88A	± 1%	± 0.5%	360mV
	EPM1350P	350W	500W	48V	0A	7.29A	10.41A	± 1%	± 0.5%	480mV
Dual Output	EPM2350U	300 ~ 500W		12,15,18, 24,27, 36,48V	0A	25A	33.33A	± 1%	± 0.5%	
				5V	0A	0.6A	1A	± 1%	± 0.5%	

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	6A to 3A
• Inrush Current	≤ 80A/230VAC
• Hold Up Time	≥ 10ms
• Turn On Time	≤ 3s

PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

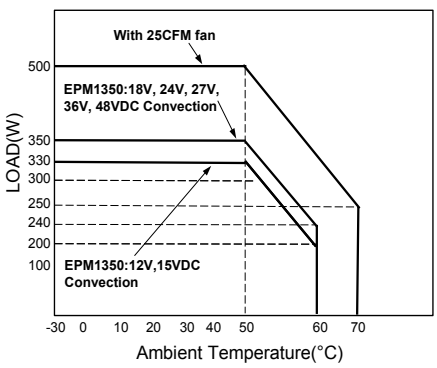
ENVIRONMENT

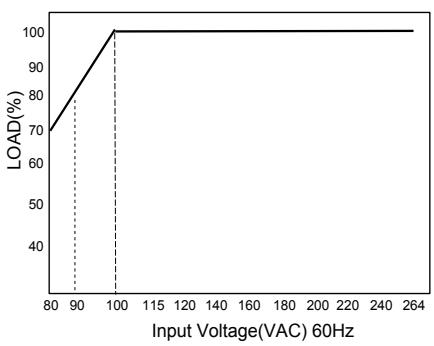
• Operating Temperature	-20 to 50°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90 %
• Storage Humidity	5% to 95 %

FUNCTION

• 5V Stand by	5Vsb: 5V@0.6A without fan,1A with fan 25CFM
• 12V Fan Supply	12V@0.5A for driving fan

DERATING CURVE





SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

Above safety certificates are for reference only. Please contact our sales department for more details.

Medical / ITE Open Frame

E PM V 350 U - XX YY

E	PM	V	U	XX	YY
BUSINESS	TYPE	NUMBERS OF OUTPUTS	OUTPUT RANGE	OUTPUT VOLTAGE	OUTLINE IFFERENCE
EDAC	Medical Open Frame	1 2	A = 12V / 300W B = 15V/ 300W …	12 = 12V 15 = 15V …	00 = W/O FAN 0F = With FAN

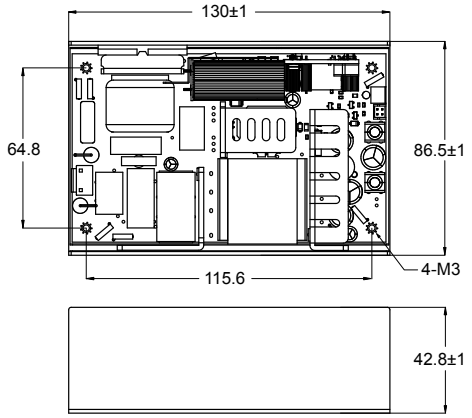
MODEL NAME		MAIN - POWER			STANDBY-POWER			TOTAL POWER
		Vo1(V)	Io1(A)	Wo1(W)	Vo2(V)	Io2(A)	Wo2(W)	
Single output	EPM1350A-1200	12	25	300				300
	EPM1350B-1500	15	20	300				300
	EPM1350C-1800	18	16.67	300				300
	EPM1350D-2400	24	12.5	300				300
	EPM1350E-2700	27	11.11	300				300
	EPM1350F-3600	36	8.33	300				300
	EPM1350G-4800	48	6.25	300				300
	EPM1350H-1200	12	27.5	330				330
	EPM1350J-1500	15	22	330				330
	EPM1350K-1800	18	19.44	350				350
	EPM1350L-2400	24	14.58	350				350
	EPM1350M-2700	27	12.96	350				350
	EPM1350N-3600	36	9.72	350				350
	EPM1350P-4800	48	7.29	350				350
Single output (With FAN)	EPM1350A-120F	12	33.33	400				400
	EPM1350B-150F	15	26.66	400				400
	EPM1350C-180F	18	22.22	400				400
	EPM1350D-240F	24	16.66	400				400
	EPM1350E-270F	27	14.81	400				400
	EPM1350F-360F	36	11.11	400				400
	EPM1350G-480F	48	8.33	400				400
	EPM1350H-120F	12	37.5	450				450
	EPM1350J-150F	15	30	450				450
	EPM1350K-180F	18	27.77	500				500
	EPM1350L-240F	24	20.83	500				500
	EPM1350M-270F	27	18.51	500				500
	EPM1350N-360F	36	13.88	500				500
	EPM1350P-480F	48	10.41	500				500
Dual output	EPM2350A-1200	12	25	300	5	0.6	3	303
	EPM2350B-1500	15	20	300	5	0.6	3	303
	EPM2350C-1800	18	16.67	300	5	0.6	3	303
	EPM2350D-2400	24	12.5	300	5	0.6	3	303
	EPM2350E-2700	27	11.11	300	5	0.6	3	303
	EPM2350F-3600	36	8.33	300	5	0.6	3	303
	EPM2350G-4800	48	6.25	300	5	0.6	3	303
	EPM2350H-1200	12	27.5	330	5	0.6	3	333
	EPM2350J-1500	15	22	330	5	0.6	3	333
	EPM2350K-1800	18	19.44	350	5	0.6	3	353
	EPM2350L-2400	24	14.58	350	5	0.6	3	353
	EPM2350M-2700	27	12.96	350	5	0.6	3	353
	EPM2350N-3600	36	9.72	350	5	0.6	3	353
	EPM2350P-4800	48	7.29	350	5	0.6	3	353

Medical / ITE Open Frame

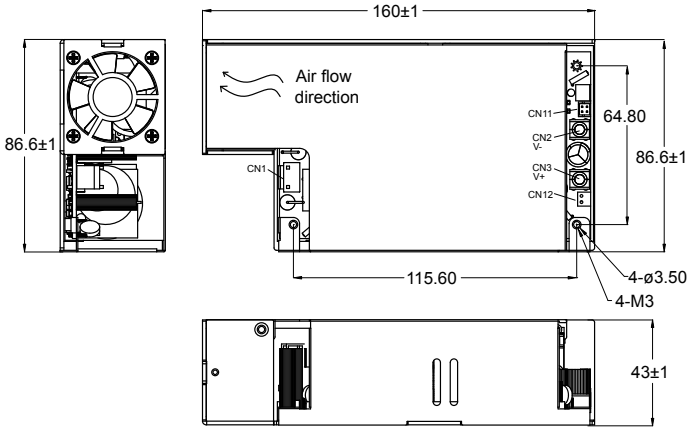
	MODEL NAME	MAIN-POWER			STANDBY-POWER			TOTAL POWER
		Vo1(V)	Io1(A)	Wo1(W)	Vo2(V)	Io2(A)	Wo2(W)	
Dual output (With FAN)	EPM2350A-120F	12	33.33	400	5	1	5	405
	EPM2350B-150F	15	26.66	400	5	1	5	405
	EPM2350C-180F	18	22.22	400	5	1	5	405
	EPM2350D-240F	24	16.66	400	5	1	5	405
	EPM2350E-270F	27	14.81	400	5	1	5	405
	EPM2350F-360F	36	11.11	400	5	1	5	405
	EPM2350G-480F	48	8.33	400	5	1	5	405
	EPM2350H-120F	12	37.5	450	5	1	5	455
	EPM2350J-150F	15	30	450	5	1	5	455
	EPM2350K-180F	18	27.77	500	5	1	5	505
	EPM2350L-240F	24	20.83	500	5	1	5	505
	EPM2350M-270F	27	18.51	500	5	1	5	505
	EPM2350N-360F	36	13.88	500	5	1	5	505
	EPM2350P-480F	48	10.41	500	5	1	5	505

MECHANICAL

• **Enclosed type**



• **Enclosed type with fan on the side**



• Mechanical Size: 130L x 86.5W x 42.8H (mm)
160L x 86.6W x 43H (mm)
• AC Input Connector: JST B3P-VH or equivalent
• DC Output Connector: CN2 & CN3: (M3.5 Pan HD screw in 2 positions; Torque to 8 lbs-in (90cNm) max.)
CN11: (TKP DH2I-2X2 or equivalent)
CN95: (TKP DH2L-2X2 or equivalent)

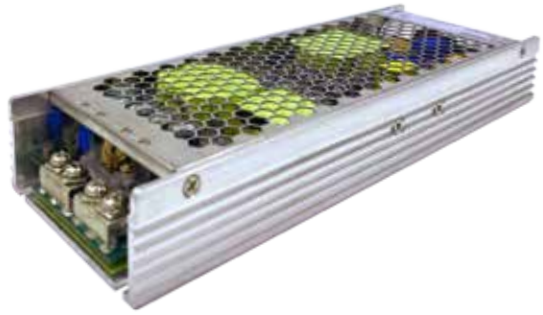
Pin1	Pin2	Pin3	Pin4
-Vs	+Vs	DC COM	PG
Pin1	Pin2	Pin3	Pin4
+5Vstb	DC COM	PS_ON	DC COM

• Weight: 580g

Enclosed Switching Power Supply

- Designs based on ITE and Industrial Regulations
- Fanless and Conduction-cooled Design
- High Power up to 2500W
- Multiple Protections
- Slim and Low Profile
- Customized Solutions Available

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency ≥ 92%~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC surge input for 5 seconds
- Built-in Active PFC Function
- DC OK Relay Contact
- LED Indicator

EP1500 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1500A	500.4W	12V	0A	41.7A	± 0.5%	± 0.5%	200mV
EP1500B	501.6W	24V	0A	20.9A	± 0.5%	± 0.5%	240mV
EP1500C	500.4W	36V	0A	13.9A	± 0.5%	± 0.5%	360mV
EP1500D	501.6W	48V	0A	10.45A	± 0.5%	± 0.5%	360mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240VAC
• Frequency	50 to 60Hz
• Input Current	≤ 5A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 1s

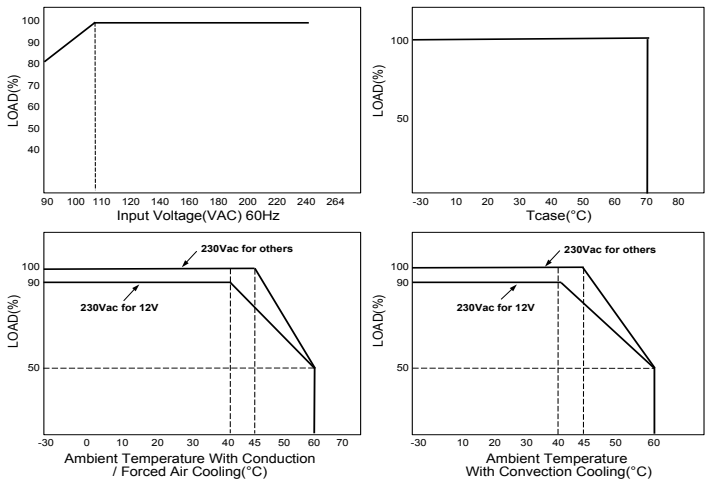
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Temperature Protection	Auto Recovery

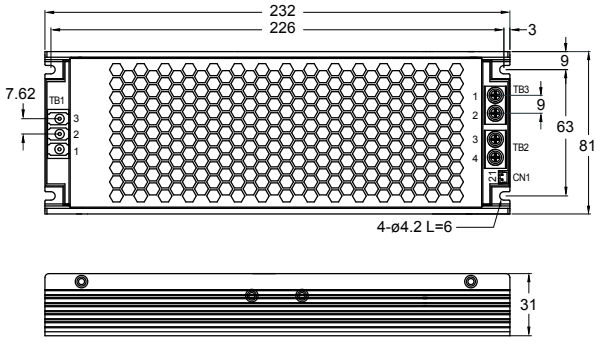
ENVIRONMENT

• Operating Temperature	-30 to 70°C
• Storage Temperature	-40 to 85°C
• Operating Humidity	20% to 90 %
• Storage Humidity	10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 232L x 81W x 31H (mm)
- Pin Assignment:
  AC Input terminal(TB1): (DEGSON)DG28C-B-03P

Pin No.	Assignment
1	AC/L
2	AC/N
3	⏚

DC output terminal(TB2,TB3): EDAC terminal

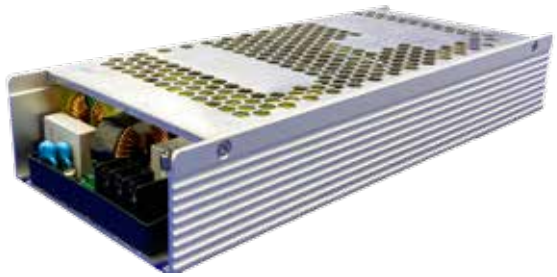
Pin No.	Assignment
TB2	+V
TB3	-V

- Weight: 1800g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Energy Efficiency ≥ 93%~95% depends on models
- MTBF > 100,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC Surge Input for 5 seconds
- Built-in Active PFC Function
- DC OK Active Signal
- LED Indicator

EP1800 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1800A	750W	12V	0A	62.5A	± 0.5%	± 0.5%	150mV
EP1800B	800W	24V	0A	33.33A	± 0.5%	± 0.5%	200mV
EP1800C	800W	36V	0A	22.22A	± 0.5%	± 0.5%	250mV
EP1800D	800W	48V	0A	16.66A	± 0.5%	± 0.5%	250mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240VAC
• Frequency	50 to 60Hz
• Input Current	≤ 8.2A
• Inrush Current	≤ 40A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 3s

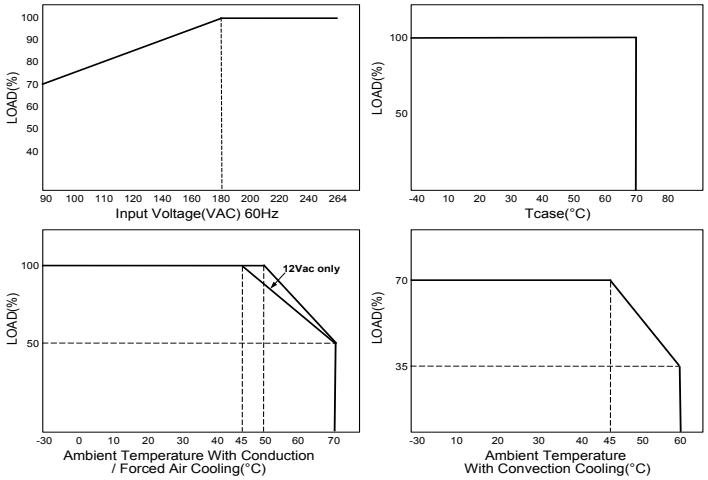
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Temperature Protection	Auto Recovery

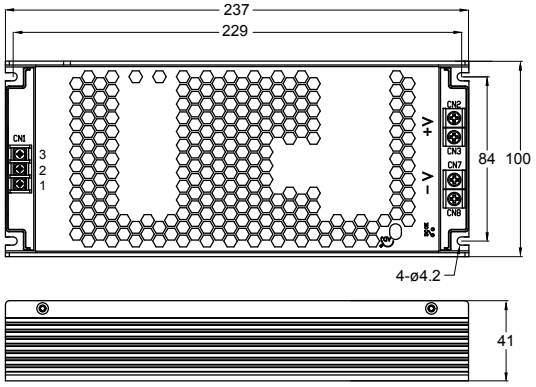
ENVIRONMENT

• Operating Temperature	-30 to 70°C
• Storage Temperature	-40 to 85°C
• Operating Humidity	20% to 90 %
• Storage Humidity	10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 237L x 100W x 41H (mm)
- Pin Assignment:
  AC Input Terminal (CN1): DECAT21 or equivalent

Pin No.	Assignment
1	AC/L
2	AC/N
3	⏚

DC Output Terminal (CN2,CN3 & CN7,CN8): EDAC Terminal

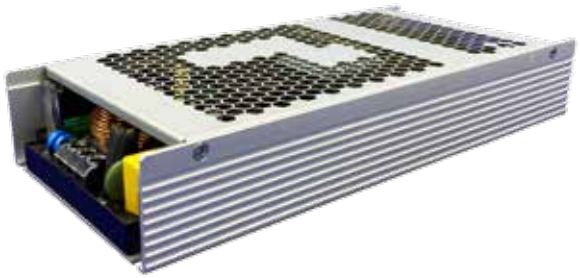
Pin No.	Assignment
CN2,CN3	+V
CN7,CN8	-V

- Weight: 1400g

SAFETY

- Certified for whole series: LVD, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency ≥ 93%~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC Surge Input for 5 seconds
- Built-in Active PFC Function
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

EP11000 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP11000A	960W	12V	0A	80A	± 0.5%	± 0.5%	150mV
EP11000B	1008W	24V	0A	42A	± 0.5%	± 0.5%	240mV
EP11000C	1008W	36V	0A	28A	± 0.5%	± 0.5%	240mV
EP11000D	1008W	48V	0A	21A	± 0.5%	± 0.5%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240VAC
• Frequency	50 to 60Hz
• Input Current	≤ 11A
• Inrush Current	≤ 40A/230VAC
• Hold Up Time	≥ 8.3ms
• Turn On Time	≤ 1s

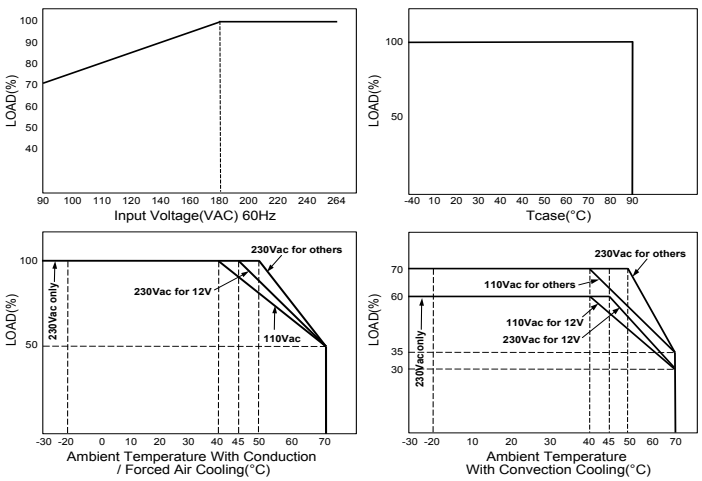
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Temperature Protection	Auto Recovery

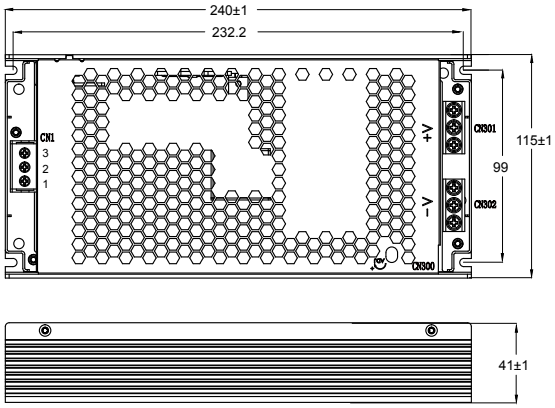
ENVIRONMENT

• Operating Temperature	-30 to 70°C
• Storage Temperature	-40 to 85°C
• Operating Humidity	20% to 90 %
• Storage Humidity	10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 240L x 115W x 41H (mm)
- Pin Assignment:
  AC Input Terminal (CN1): T42-ES11-03 or equivalent

Pin No.	Assignment
1	AC/L
2	AC/N
3	⏚

DC Output Terminal (CN301 & CN302): EDAC Terminal

Pin No.	Assignment
CN301	+V
CN302	-V

- Weight: 1800g

SAFETY

- Certified for whole series: LVD, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1

Enclosed AC/DC Switching Power Supply

Features

- Slim and Low Profile
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature (optional)
- Energy Efficiency ≥ 94%~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Built-in Active PFC Function
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

EP11500 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 24 is 24VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP11500A	1500W	24V	0A	62.5A	± 0.5%	± 0.5%	240mV
EP11500B	1512W	48V	0A	31.5A	± 0.5%	± 0.5%	350mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	100 to 240VAC
• Frequency	50 to 60Hz
• Input Current	≤ 11A
• Inrush Current	≤ 60A/230VAC
• Hold Up Time	≥ 10ms
• Turn On Time	≤ 2s

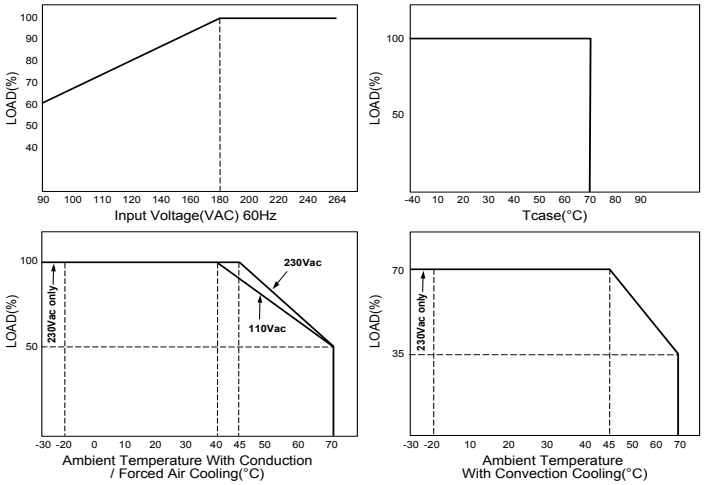
PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Temperature Protection	Auto Recovery

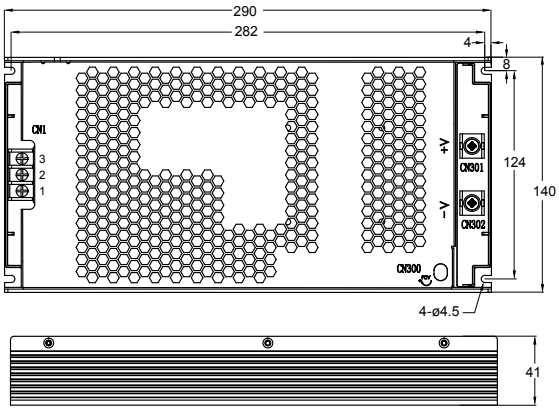
ENVIRONMENT

• Operating Temperature	-30 to 70°C
• Storage Temperature	-40 to 85°C
• Operating Humidity	20% to 90 %
• Storage Humidity	10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 290L x 140W x 41H (mm)
- Pin Assignment:
  AC Input Terminal (CN1): DECAT25

Pin No.	Assignment
1	AC/L
2	AC/N
3	⏚

DC Output Terminal (CN301 & CN302): EDAC Terminal

Pin No.	Assignment
CN301	+V
CN302	-V

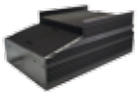
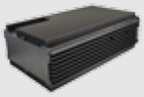
- Weight: 2600g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)

EPL Series

AC/DC Single Output Input: 100~240VAC

	Series	Output Power (Max.)	Output Voltage	Size (mm)
	EPL1130	130W	15V	142L x 70W x 42H
	EPL1181	180W	15/48V	120L x 70W x 30H
	EPL1183	180W	57V	102L x 90W x 40H
	EPL1250	250W	57V	125L x 75W x 40H
	EPL1320	360W	30V	180L x 80W x 51H
	EPL1320B	360W	48V	220L x 72W x 35H
	EPL1350	350W	48/57V	125L x 95W x 40H
	EPL1600	600W	48V	200L x 100W x 61H
	EPL1720	720W	48V	210L x 130W x 79H
	EPL1720B	720W	48V	212L x 130W x 71.6H
	EPL1730	750W	48V	255L x 72W x 35H
	EPL1740	720W	48V	210L x 115W x 50.5H
	EPL1800	800W	48V	230L x 100W x 61H
	EPL11000	1000W	48V	300L x 180W x 79H
	EPL11001	1000W	48V	224L x 110W x 72.6H
	EPL11440	1440W	48V	236L x 150W x 70H
	EPL11500	1440W	48V	250L x 154W x 98.5H
	EPL12500	2500W	96V	300L x 190W x 101H

DC/DC Switching Converter

- Input Voltage Protection
- LED Indicator

ED1032 Series

• 20~50W Max.

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 85% Min. Nominal Input
- MTBF > 50,000 hours

ED1032 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1032A	20W	11~36V	5V	0A	4A	± 5%	± 1%	150mV
ED1032B	36W	11~36V	12V	0A	3A	± 5%	± 1%	180mV
ED1032C	40W	11~36V	15V	0A	2.66A	± 5%	± 1%	180mV
ED1032D	50W	11~36V	19V	0A	2.63A	± 5%	± 1%	300mV
ED1032E	50W	11~36V	24V	0A	2.08A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 36 VDC
• Input Current	6A Max.
• Turn On Time	≤ 3s

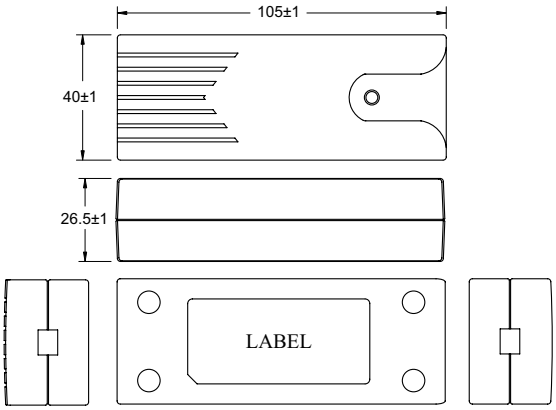
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with CE

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1046 Series

• 36~45W Max.

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 83% Min. Nominal Input
- MTBF > 50,000 hours

ED1046 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1046A	45W	11~32V	20V	0A	2.25A	± 5%	± 1%	360mV
ED1046B	45W	11~32V	15V	0A	3A	± 5%	± 1%	300mV
ED1046C	36W	11~32V	12V	0A	3A	± 5%	± 1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 32 VDC
• Input Current	7A Max.
• Turn On Time	≤ 3s

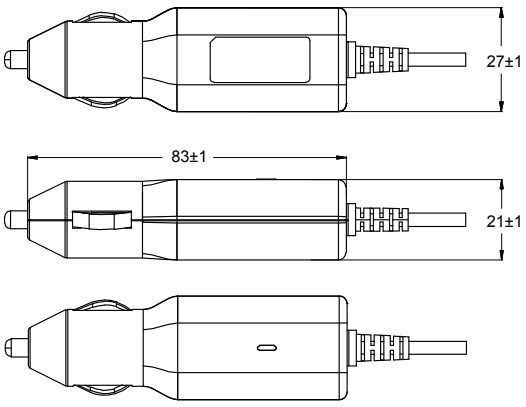
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)

ED1058 Series

• 41~72W Max.

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 80% Min. Nominal Input
- MTBF > 50,000 hours

ED1058 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1058	41W	11~36V	10.25V	0A	4A	± 5%	± 1%	200mV
ED1058A	72W	11~36V	5~12V	0A	6A	± 5%	± 1%	240mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 36 VDC
• Input Current	7A Max.
• Turn On Time	≤ 3s

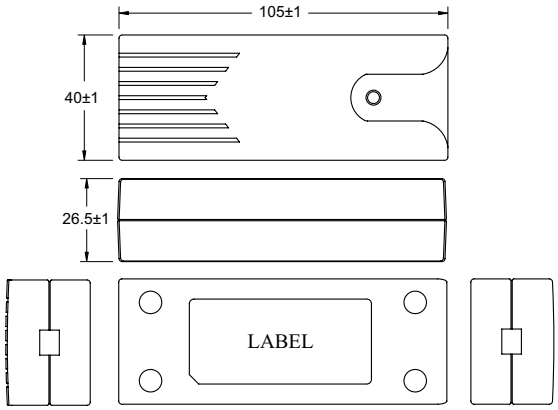
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Latch-off
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1062 Series

• 90W Max.

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 87% Min. Nominal Input
- MTBF > 50,000 hours

ED1062 - vv PP

vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1062	90W	11~36V	12~24V	0A	6A	± 5%	± 1%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 36 VDC
• Input Current	10A Max.
• Turn On Time	≤ 3s

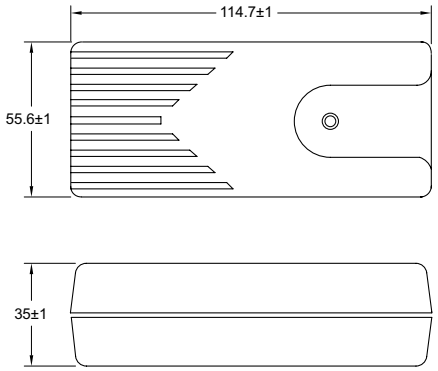
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 114.7L x 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

SAFETY

• Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, CB IEC 62368-1, EN 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)

ED1075 Series

• *75W Max.*

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 85% Min. Nominal Input
- MTBF > 50,000 hours

ED1075 - vv PP

vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1075	75W	11~16V	15~24V	0A	4A	± 5%	± 1%	200mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 16 VDC
• Input Current	7A Max.
• Turn On Time	≤ 3s

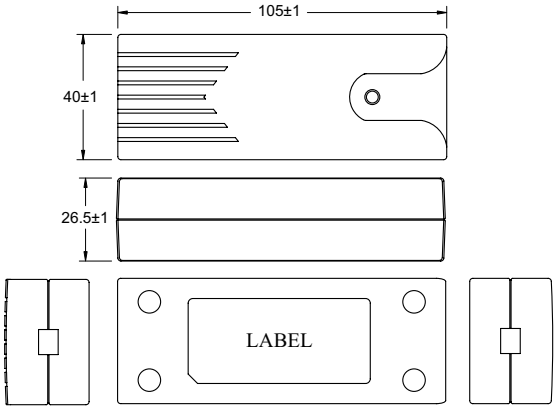
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input : 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with FCC, CE

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1096 Series

• 90W Max.

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 86% Min. Nominal Input
- MTBF > 50,000 hours

ED1096 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)		
ED1096A	90W	11~16V	16V	0A	5.62A	± 5%	250mV
ED1096B	90W	11~16V	19V	0A	4.73A	± 5%	250mV
ED1096C	90W	11~16V	20V	0A	4.5A	± 5%	250mV
ED1096D	90W	11~16V	24V	0A	3.75A	± 5%	250mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 16 VDC
• Input Current	10A Max.
• Turn On Time	≤ 3s

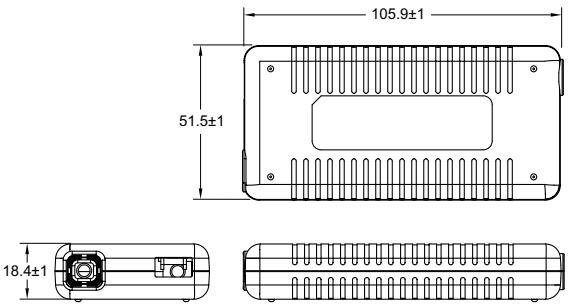
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 105.9L x 51.5W x 18.4H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

SAFETY

• Complied with FCC, CE(EMC+LVD EN62368-1)

ED1097 Series

• *90W Max.*

DC/DC Switching Converter

Features

- Dual Output
- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 87% Min. Nominal Input
- MTBF > 50,000 hours

ED1097 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 20 is 20VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1097	90W	11~16V	19~20V	0A	4.61A	± 5%	± 1%	290mV
			5.1V	0A	2.1A	± 5%	± 1%	150mV
ED1097A	90W	11~16V	19.5V	0A	4.61A	± 5%	± 1%	290mV
			5.1V	0A	2.1A	± 5%	± 1%	150mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 16 VDC
• Input Current	10A Max.
• Turn On Time	≤ 3s

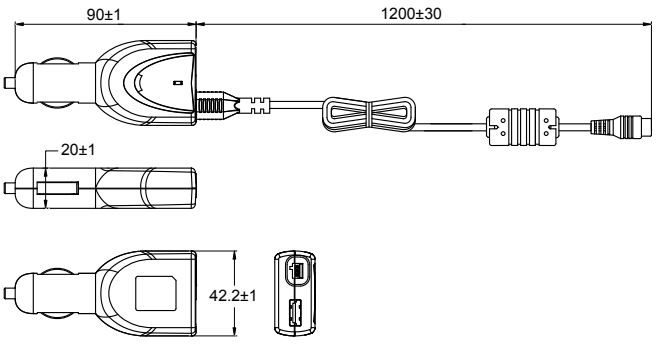
OUTPUT

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL



- Case Size: 90L x 42.2W x 20H (mm)
- Weight: 55g

SAFETY

• Complied with FCC, CE(EMC+LVD EN62368-1)

Above safety certificates are for reference only. Please contact our sales department for more details.

ED1010 Series

• *120W Max.*

DC/DC Switching Converter

Features

- Input Voltage Protection
- LED Indicator
- Protections:
  Short circuit / Over voltage / Over current
  Over temperature
- Efficiency 87% Min. Nominal Input
- MTBF > 50,000 hours

ED1010 X - vv PP

X: Output range
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1010A	120W	11~16V	16V	0A	7A	± 5%	± 2%	300mV
ED1010B	120W	11~16V	18V	0A	6.7A	± 5%	± 2%	300mV
ED1010C	120W	11~16V	19V	0A	6.3A	± 5%	± 2%	300mV
ED1010D	120W	11~16V	20V	0A	6A	± 5%	± 2%	300mV
ED1010E	120W	11~16V	24V	0A	5A	± 5%	± 2%	300mV

NOTE:
1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

• Input Range	11 to 16 VDC
• Input Current	12A Max.
• Turn On Time	≤ 3s

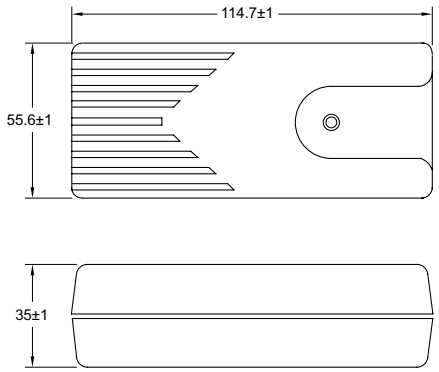
OUTPUT

• Short Circuit Protection	Latch-off
• Over Voltage Protection	Latch-off
• Over Current Protection	Latch-off
• Over Temperature Protection	Auto Recovery

ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

MECHANICAL

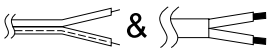
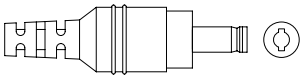
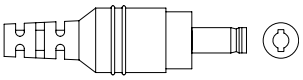
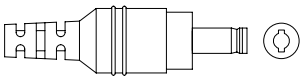
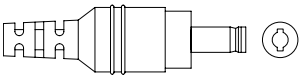
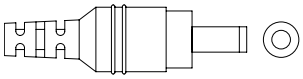
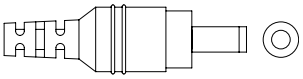
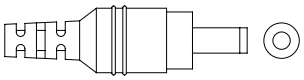
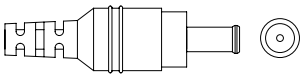
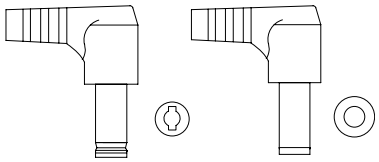
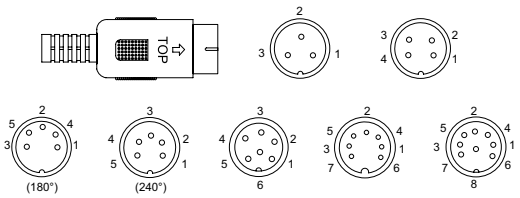


- Case Size: 114.7L x 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

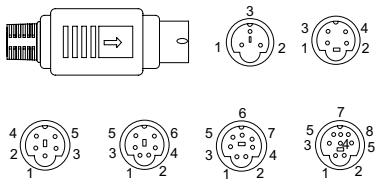
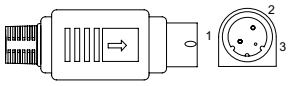
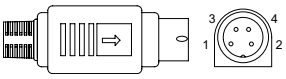
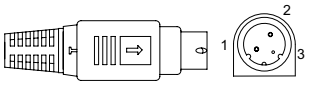
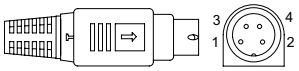
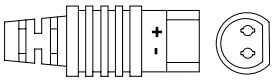
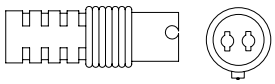
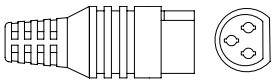
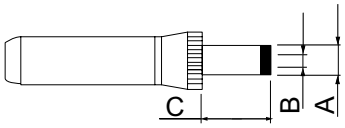
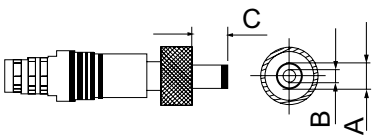
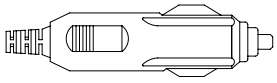
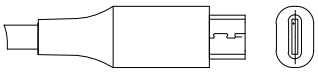
SAFETY

- Complied with UL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC
- Certified for assigned models: KC

Appendix: Plug List of Output Cable

CODE	PLUG TYPE	SPECIFICATION	OUTLINE / DRAWING
00	Strip & Tined	NC	
01	Barrel Type	5.5x2.1	
02		5.5x2.5	
03		4.75x1.7	
04		4.0x1.7	
05		3.5x1.35	
06		2.35x0.7	
07		6.3x3.0	
08		6.5x1.4	
11	Barrel Type Right Angle	5.5x2.1	
12		5.5x2.5	
13		4.75x1.7	
14		4.0x1.7	
15		3.5x1.35	
16		2.35x0.7	
17		6.3x3.0	
18		6.5x1.4	
21	Din (male)	3Pin	
22		4Pin	
23		5Pin(180)	
24		5Pin(240)	
25		6Pin	
26		7Pin	
27		8Pin	

Appendix: Plug List of Output Cable

CODE	PLUG TYPE	SPECIFICATION	OUTLINE / DRAWING
31	Mini-Din (male)	3Pin	
32		4Pin	
33		5Pin	
34		6Pin	
35		7Pin	
36		8Pin	
41	Power-Mini Din (male)	3Pin (Molding)	
42		4Pin (Molding)	
45		3Pin (Assembly/Lock Type)	
46		4Pin (Assembly/Lock Type)	
61	Interchangeable Connector	2Pin	
62		2Pin	
63		3Pin	
71	Switchcraft Locking Type	A:5.5, B:2.5 C:0.375"(9.52mm)	
72		A:5.5, B:2.5 C:0.475"(12.06mm)	
73		A:5.5, B:2.1 C:0.375"(9.52mm)	
74		A:5.5, B:2.1 C:0.475"(12.06mm)	
81	DC Jack with Screw	A:5.5, B:2.1, C:7.5	
82		A:5.5, B:2.1, C:10.1	
91	Cigarette Lighter		
92	USB Type C		

Milestones

1998

- EDAC POWER ELECTRONICS CO., LTD. (Taiwan Head Quarter) established
- Manufacturing of ITE switching power supply and DC/DC converter started (OEM)

2002

- First manufacturing plant established in SuZhou, China

2005

- SuZhou factory is qualified as Rank A class Enterprise by China customs

2007

- Management Information System (MIS) implemented

2009

- ISO9001 & ISO14001 certification (TUV) acquired for SuZhou factory
- Enterprise Resource Planning System (ERP) implemented

2009

- Medical power supply EM series & Battery Charger launched

2013

- First Industrial & Medical open frame series launched

2016

- Second manufacturing plant established in DongGuan, China

2017

- ISO9001 & ISO14001 certification (TUV) acquired for DongGuan factory

2018

- R&D development in Down-sized power solutions

2019

- Sedex (Supplier Ethical Data Exchange) Qualification acquired

2020

- Third manufacturing plant established in Taipei, Taiwan
- ISO9001 & ISO14001 certification (TUV) acquired for Taiwan factory
- EMC testing equipments invested in Taiwan Head Quarter
- ITE Switching power supplies upgraded to IEC/EN/UL62368 regulation

2021

- Extend product line to LED power supply
- Enter Lithium-ion battery charger industry

2022

- Open frame power supply 150W/200W/500W launched

2023

- R&D development in Enclosed power supply up to 2500Watts

2024

- ISO 14064 certification (TUV) acquired for SuZhou and Taiwan factory
- ISO 14067 certification (TUV) acquired for SuZhou and Taiwan factory

SAFETY APPROVALS

EDAC's products can meet various safety approvals as quality assurance.

ITE/ICT 62368

Medical 60601

Energy Saving

NRCan (Canada)

DOE Level VI (USA)

CoC Tier 2

(Europe)

Others

CCC (China)

BSMI (Taiwan)

PSE (Japan)

RCM (Australia)

KCC (Korea)

UKCA (United Kingdom)

BIS (India)

EAC (Russia)

PSB (Singapore)

S-Mark (Argentina)

NOM (Mexico)

ISO

Taipei/SuZhou
ISO 14067
(Certified in 2024)

Taipei/SuZhou
ISO 14064
(Certified in 2024)

Taipei/SuZhou
ISO 9001
(Certified in 2021)

Taipei/SuZhou
ISO 14001
(Certified in 2021)

DongGuan
ISO 9001
(Certified in 2021)

DongGuan
ISO 14001
(Certified in 2020)

EDAC Corporate Culture

E Enthusiasm

D Dedication

A Advancement

C Consistency

EDACPOWER

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