



160~250W Desktop single power supply < EA1250

AC/DC Desktop Adapter



Features

- 100-240VAC Universal Input
- 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 $\leq 0.21W$ (VI), $\leq 0.15W$ (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)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1250xA	160W	12V~18V	0A	13.33A	± 5%	± 1%	300mV
EA1250xB	180W	12V~18V	0A	15.00A	± 5%	± 1%	300mV
EA1250xC	180W	19V~28V	0A	9.47A	± 5%	± 1%	350mV
EA1250xD	200W	12V~18V	0A	16.66A	± 5%	± 1%	300mV
EA1250xE	200W	19V~28V	0A	10.52A	± 5%	± 1%	350mV
EA1250xF	200W	32V~42V	0A	6.25A	± 5%	± 1%	450mV
EA1250xG	200W	44V~56V	0A	4.54A	± 5%	± 1%	600mV
EA1250xH	220W	12V~18V	0A	18.33A	± 5%	± 1%	300mV
EA1250xJ	220W	19V~28V	0A	11.57A	± 5%	± 1%	350mV
EA1250xK	220W	32V~42V	0A	6.87A	± 5%	± 1%	450mV
EA1250xL	220W	44V~56V	0A	5A	± 5%	± 1%	600mV
EA1250xM	230W	19V~28V	0A	12.10A	± 5%	± 1%	350mV
EA1250xN	230W	32V~42V	0A	7.18A	± 5%	± 1%	450mV
EA1250xP	230W	44V~56V	0A	5.22A	± 5%	± 1%	600mV
EA1250xQ	250W	19V~28V	0A	13.15A	± 5%	± 1%	350mV
EA1250xR	250W	32V~42V	0A	7.81A	± 5%	± 1%	450mV
EA1250xS	250W	44V~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 $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

Electrical Specification

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 3.5A to 2.5A
- Inrush Current: 70A/100VAC 140A/230VAC
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

OUTPUT

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

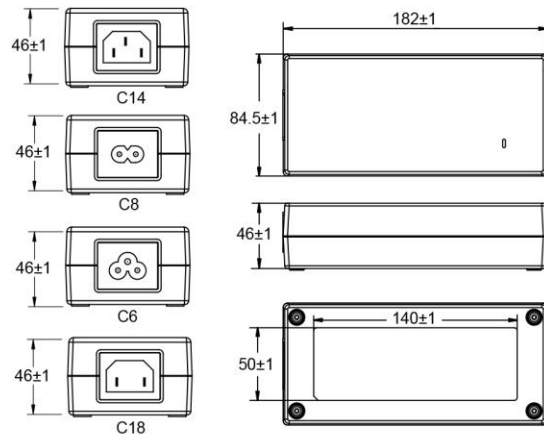
ENVIRONMENT

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL/cUL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC, CE
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, CU, NRCAN

Mechanical Specification



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