



190~250W Desktop single power supply < EA1252

AC/DC Desktop Adapter



Features

- Slim Size
- 100-240VAC Universal Input
- 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

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)

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1252xA	190W	12V~18V	0A	15.83A	±5%	±1%	240mV
EA1252xB	230W	19V~24V	0A	12.1A	±5%	±1%	240mV
EA1252xC	230W	32V~42V	0A	7.18A	±5%	±1%	240mV
EA1252xD	230W	44V~56V	0A	5.22A	±5%	±1%	360mV
EA1252xE	200W	12V~18V	0A	16.66A	±5%	±1%	360mV
EA1252xF	240W	19V~24V	0A	12.63A	±5%	±1%	630mV
EA1252xG	240W	32V~42V	0A	7.5A	±5%	±1%	840mV
EA1252xH	240W	44V~56V	0A	5.45A	±5%	±1%	360mV
EA1252xJ	210W	12V~18V	0A	17.5A	±5%	±1%	360mV
EA1252xK	250W	19V~24V	0A	13.15A	±5%	±1%	360mV
EA1252xL	250W	32V~42V	0A	7.81A	±5%	±1%	630mV
EA1252xM	250W	44V~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) $\geq V_o \times I_o$

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: Latch-off
- Over Voltage Protection: Latch-off
- Over Current Protection: Latch-off
- Over Temperature Protection: Latch-off

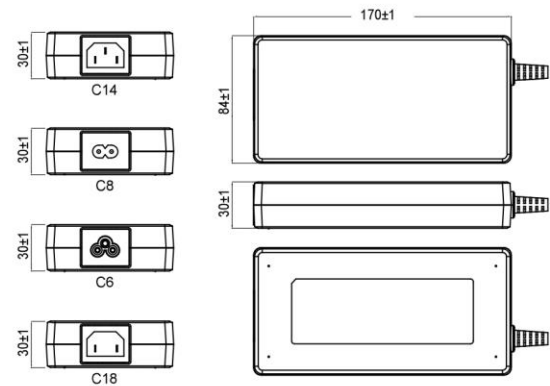
ENVIRONMENT

- 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

Mechanical Specification



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