



230~310W Desktop single power supply < EA1300

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
- 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 (refe 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
EA1300xA	230W	12~18	0	19.16A	$\pm 5\%$	$\pm 1\%$	240mV
EA1300xB	240W	12~18	0	20.0A	$\pm 5\%$	$\pm 1\%$	240mV
EA1300xC	250.2W	12~18	0	20.85A	$\pm 5\%$	$\pm 1\%$	240mV
EA1300xD	260W	19~28	0	13.68A	$\pm 5\%$	$\pm 1\%$	360mV
EA1300xE	270W	19~28	0	14.21A	$\pm 5\%$	$\pm 1\%$	360mV
EA1300xF	270W	32~42	0	8.43A	$\pm 5\%$	$\pm 1\%$	630mV
EA1300xG	270W	44~56	0	6.13A	$\pm 5\%$	$\pm 1\%$	840mV
EA1300xH	280W	19~28	0	14.73A	$\pm 5\%$	$\pm 1\%$	360mV
EA1300xM	290W	19~28	0	15.26A	$\pm 5\%$	$\pm 1\%$	360mV
EA1300xN	300W	19~28	0	15.78A	$\pm 5\%$	$\pm 1\%$	360mV
EA1300xP	310W	32~42	0	9.68A	$\pm 5\%$	$\pm 1\%$	630mV
EA1300xQ	310W	44~56	0	7.04A	$\pm 5\%$	$\pm 1\%$	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 $\pm 10\%$ 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 5A to 2.5A
- Inrush Current 75A/100VAC 140A/230VAC
- Hold Up Time ≥ 8.3 ms
- Turn On Time ≤ 3 s

OUTPUT

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

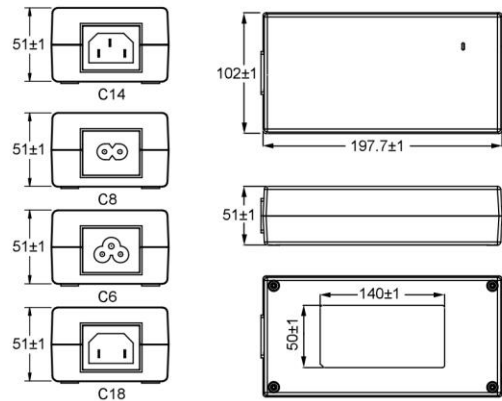
ENVIRONMENT

- 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, PSE, BIS

Mechanical Specification



- Case Size: 197.7L x 102W x 51H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 1350g