

## 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  $\leq 0.5$  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)

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:  $\geq 8.3$ ms
- Turn On Time:  $\leq 3$ s

#### OUTPUT

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

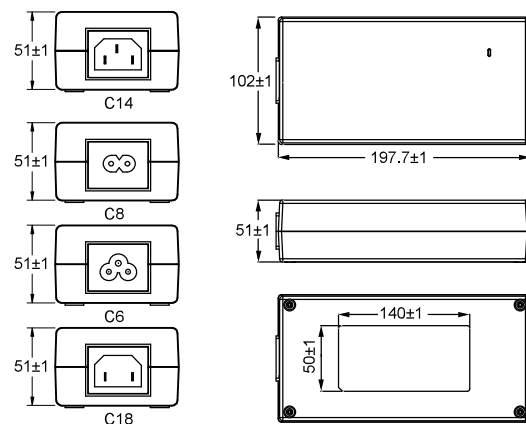
#### ENVIRONMENT

- 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