

EA1600 Series

• 600W Max.

GaN AC/DC Desktop Adaptor



Features

- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections :
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency $\geq 89\% \sim 92\%$ depends on models
- No Load Power Consumption < 1W
- MTBF > 100,000 hours

EA1600 X Y- vv PP

- X: AC inlet: 1. C14
- Y: Output range
- vv: Specified output voltage, i.e. 48 is 48VDC
- 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.	MAX.	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
			LOAD(Io)	LOAD(Io)			
EA1600XA	550W	36~42V	0A	15.27A	$\pm 5\%$	$\pm 1\%$	630mV
EA1600XB	600W	48~56V	0A	12.5A	$\pm 5\%$	$\pm 1\%$	720mV

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) $\geq V_o \times I_o$

INPUT

- | | |
|------------------|-------------------|
| • Input Range | 100 to 240 VAC |
| • Frequency | 50 to 60 Hz |
| • Input Current | 7.5A to 4A |
| • Inrush Current | $\leq 80A/230VAC$ |
| • Hold Up time | $\geq 8.3ms$ |
| • Turn On Time | $\leq 3s$ |

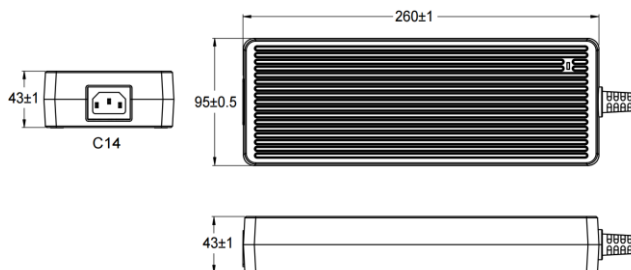
PROTECTION

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

ENVIRONMENTAL

- | | |
|-------------------------|-------------|
| • 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 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),

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