



External power supplies



AC/DC Single Output Desk top Type

160~250 Watts Max.

EA1250 Series



Features

- Active PFC function CEC level VI
- RoHS compliance
- IEC320 C14
- Over voltage and over current protection
- Over temperature and short circuit protection
- LED indication
- MTBF: >30,000 hours
- No load power consumption <0.21W (RS part no.904-8496, 904-8506)
- No load power consumption <0.5W (RS part no. 904-8519)

Electrical Specifications

RS STOCK NO.	MODEL OUTPUT	VOLTAGE (Vo)	MAX. LOAD (Lo)	POWER (Watts)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
904-8496	EA12501B(02)	12V	15.00A	180W	+/- 5%	+/- 1%	2%
904-8506	EA12501H(07)	12V	18.33A	220W	+/- 5%	+/- 1%	2%
904-8519	EA12501Q(16)	24V	10.41A	250W	+/- 5%	+/- 1%	2%

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.

Electrical Specifications

INPUT

- Input range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input current: 3.5A to 2.5A
- Inrush current: $\leq 100A$ at cold start
- Efficiency: meets CEC level VI
- Hold up time: $\geq 8.3mS$
- Turn on time: $\leq 3s$

OUTPUT

- Over voltage protection: latched
- Short circuit protection: auto recovery
- Over temperature protection: latched

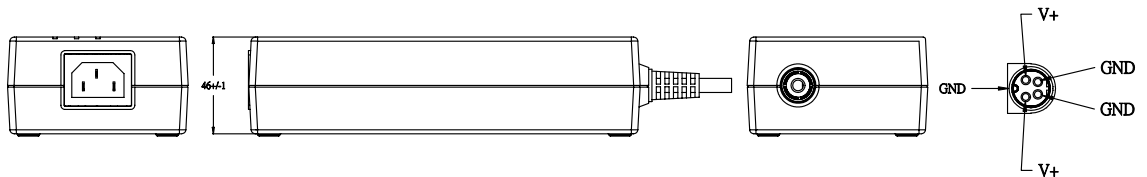
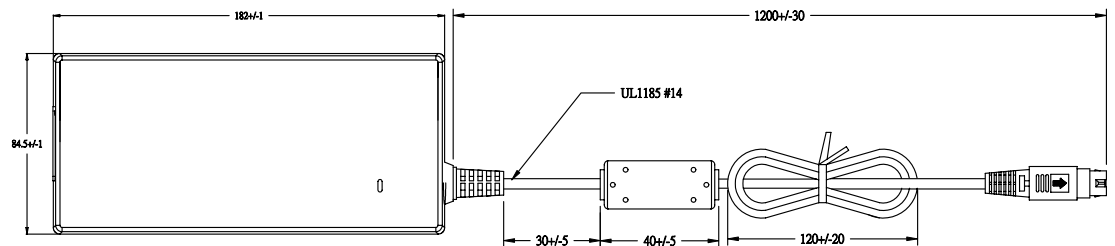
ENVIRONMENTAL

- Operating temperature: 0 to 40°C
- Storage temperature: -20 to 85 °C
- Storage humidity: 5% to 95%

SAFETY

- UL/CUL TUV, CB, FCC, CCC

Mechanical Specification



- Case Size: 182Lx84.55Wx46H (mm)
- AC Inlet: C14
- Weight: 1000g