

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency ≥ 92%~95%
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Built-in Active PFC Function
- 900W Convection / 1500W Peak Load 5s

EP190A U-XX YY

- U: Output range
XX: Specified output voltage, i.e. 48 is 48VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD(Io)		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Peak(5s)			Convection	Peak(5s)			
EP190A	900W	1500W	48V	0A	18.75A	31.25A	± 2%	± 1%	480mV

- 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) ≥ Vo x Io

INPUT

- | | |
|------------------|----------------|
| • Input Range | 100 to 240 VAC |
| • Frequency | 50 to 60Hz |
| • Input Current | ≤ 20A |
| • Inrush Current | ≤ 80A/230VAC |
| • Hold Up Time | ≥ 8.3ms |
| • Turn On Time | ≤ 3s |

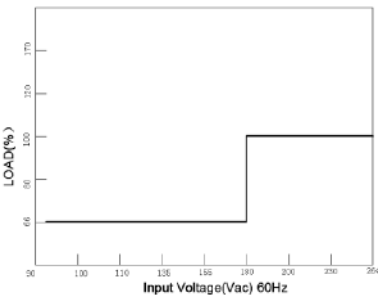
OUTPUT

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

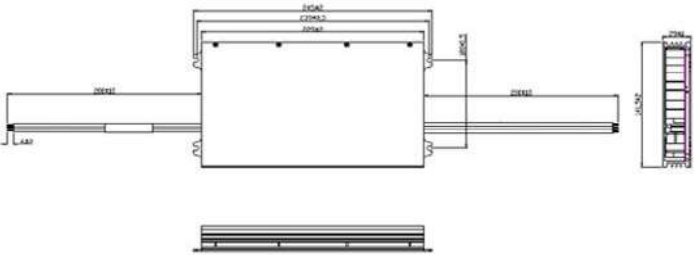
ENVIRONMENT

- | | |
|-------------------------|-------------|
| • Operating Temperature | -20 to 40°C |
| • Storage Temperature | -20 to 85°C |
| • Operating Humidity | 10% to 90% |
| • Storage Humidity | 5% to 95% |

DERATING CURVE



MECHANICAL



- Mechanical Size: 245L x 141.5W x 29H (mm)
- Weight: 1650g

SAFETY

- Complied with TUV EN 62368-1, CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B, TUV EN 61558-1/EN 61558-2.16, CB IEC 61558-1/IEC 61558-2.16, CE EMC(EN 55014-1+EN 55014-2)