

FEATURES

- 3-pole IEC320-C14 AC inlet
- Build-in 40x40x10mm DC fan with fan speed control
- Output voltage range from +12V to +48V
- No load Power consumption < 500mW
- 2 year warranty



ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC
- Frequency : 47 - 63Hz
- Power Factor : > 0.95 @115VAC; > 0.90 @230VAC @full load
- Inrush current : < 65A peak @115VAC; < 130A peak @230VAC cold start @25°C
- Input current (rms) : 3.5A @90VAC; 1.75A @264VAC max.
- Efficiency : > 87% @average load, 115/230VAC
- Maximum output power (Po) : 250Watts
- Hold-up time : > 16ms typical @full load, 115VAC
- Short Circuit Protection: Auto-recovery
- Over Load Protection: Auto-recovery
- Over Voltage Protection: Shutdown and latch off, AC recycle

RoHS Compliant

Dimension : L188.5 × W104.5 × H60 mm (7.42" × 4.1" × 2.36")
Weight : 1.05 kgs. (2.31 lbs.)

SAFETY STANDARDS

UL 60950-1
CSA C22.2-No.60950-1
TUV EN60950-1
CB IEC 60950-1

EMC STANDARDS

FCC Class B
CISPR22 Class B
EN 55022 Class B
CE

ENVIRONMENTAL

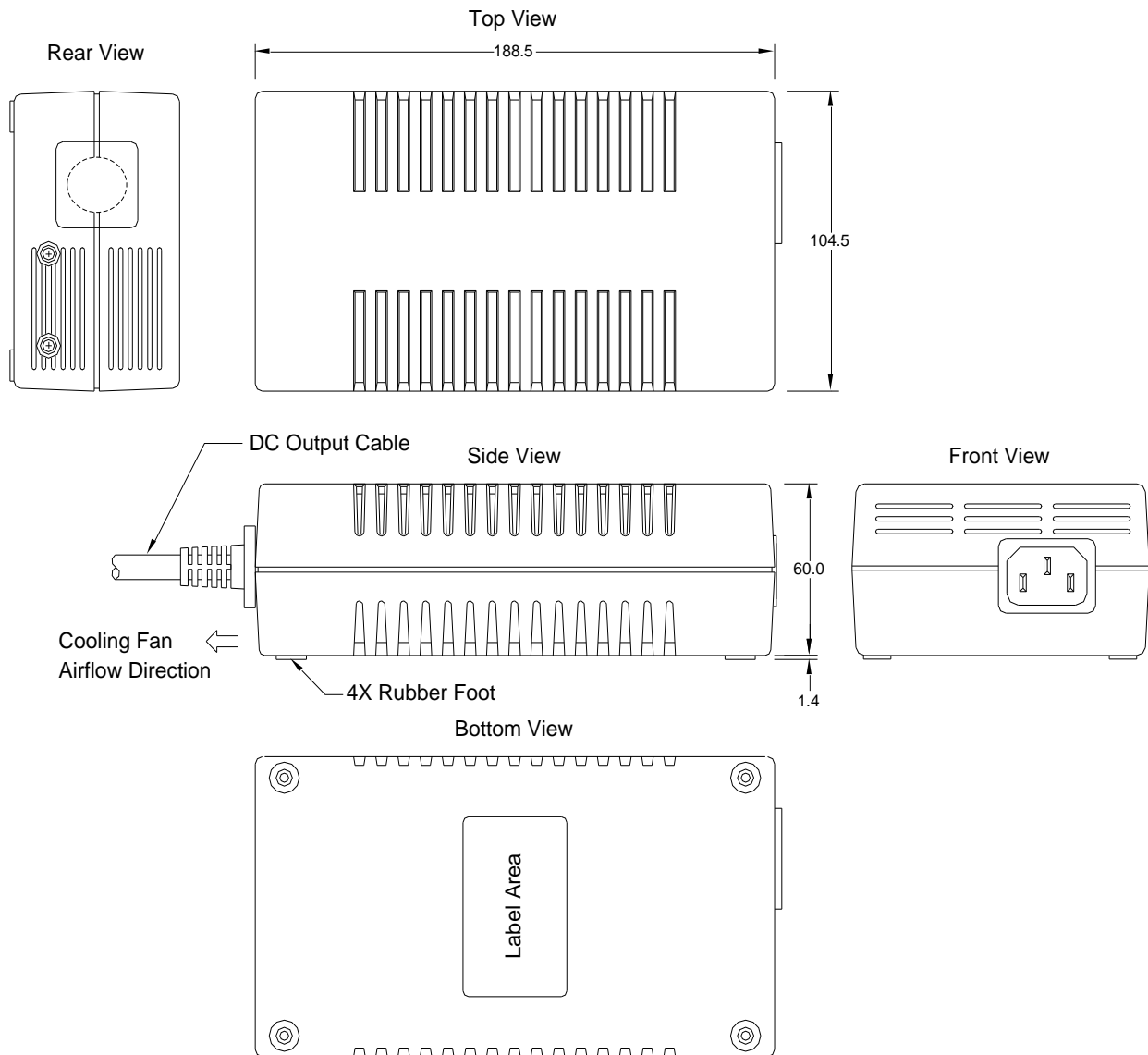
- Operating temperature : -20 to +60°C (Derate linearly 2.5% per °C from 41 to 60°C)
- Storage temperature : -10°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : > 140,000 hours at full load and 25°C ambient temperature

DC OUTPUT & FEATURES

| Model | Output Rating | | Po | O/P Regulation | Ripple & Noise(Vp-p) | Efficiency Level |
|-----------------|---------------|--------|------|----------------|----------------------|------------------|
| PW-250A4-1Y120E | 12V | 20.83A | 250W | ±5% | 240mV | V |
| PW-250A4-1Y160E | 16V | 15.63A | 250W | ±5% | 300mV | V |
| PW-250A4-1Y190E | 19V | 13.16A | 250W | ±5% | 300mV | V |
| PW-250A4-1Y200E | 20V | 12.5A | 250W | ±5% | 300mV | V |
| PW-250A4-1Y240E | 24V | 10.42A | 250W | ±5% | 300mV | V |
| PW-250A4-1Y360E | 36V | 6.94A | 250W | ±5% | 300mV | V |
| PW-250A4-1Y480E | 48V | 5.21A | 250W | ±5% | 300mV | V |

Note: 1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.

MECHANICAL SPECIFICATION



- Note:
1. AC Inlet : IEC320-C14
 2. Plastic Case Color : Black
 3. Tolerance : $\pm 0.5\text{mm}$
 4. Unit : mm

STANDARD OUTPUT CABLE

1. AWM 2464 # 16AWG / 6C + SHIELDING, UL 80°C 300V VW-1, 1000 mm \pm 30mm(MIN) for 16V~48V output; 800mm \pm 30mm for 12V output.
2. Depends on customers requirements.