



**DOE Level VI & EU Tier I
Efficiency Compliant**

PT250 Series 250 Watts

AC/DC Switching Adapter- Single Output

FEATURES

- Meet DOE Level VI & European Tier I Efficiency Requirements
- 2 Year Warranty
- FCC Part 15 Class B, Compliance
- Safety Approvals, EMC compliance
- 40mm cooling fan with Fan Speed control
- IEC 60950 / 2nd Edition

ELECTRICAL SPECIFICATIONS

- Input range : 90-264VAC (Full Range)
- Frequency : 47 - 63Hz
- Power factor : >0.95@115 VAC; >.90@230VAC
- Input current (rms) : 3.5A @ 90VAC; 1.75A @ 264VAC MAX
- Efficiency : >88% @ average load 115/230 VAC
- Earth Leakage Current: < 100uA @ 264VAC
- Maximum power (Po) : 250W
- Ripple & Noise : 1%
- Hold-up time : >16ms typical at full load @ 115VAC
- Protection : Over voltage protection(OVP), AC recycle
Short circuit protection, Auto recovery
Overload protection



Dimension : L188.5×W104.5×H60mm
AC Input : IEC 320-C14 Inlet

SAFETY STANDARDS

- UL 60950-1
- TUV EN60950-1
- CB IEC 60950-1
- CSA C22.2-60950-1

EMI STANDARDS

- FCC Class B
- EN 55022 Class B
- CISPR 22 Class B
- C E

ENVIRONMENTAL

- Operating temperature : -20°C to +60°C (Derate linearly 2.5% per °C from 41-60 °C)
- Storage temperature : -10°C to +70°C ● Humidity 10% - 90%
- MTBF : >140,000 hours at full load and 25°C ambient temperature

DC OUTPUT & FEATURES

Model	Output Rating		Po(Max.)	O/P Regulation	Ripple & Noise (Vp-p)	Efficiency Level
	Vo	Io (max)				
PT250-12-B	12V	20.83A	250W	5%	240mV	VI
PT250-16-B	16V	15.63A	250W	5%	300mV	VI
PT250-19-B	19V	13.16A	250W	5%	300mV	VI
PT250-20-B	20V	12.5A	250W	5%	300mV	VI
PT250-24-B	24V	10.42A	250W	5%	300mV	VI
PT250-36-B	36V	6.94 A	250W	5%	300mV	VI
PT250-48-B	48V	5.21 A	250W	5%	300mV	VI

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



SMP TECHNOLOGY, INC.

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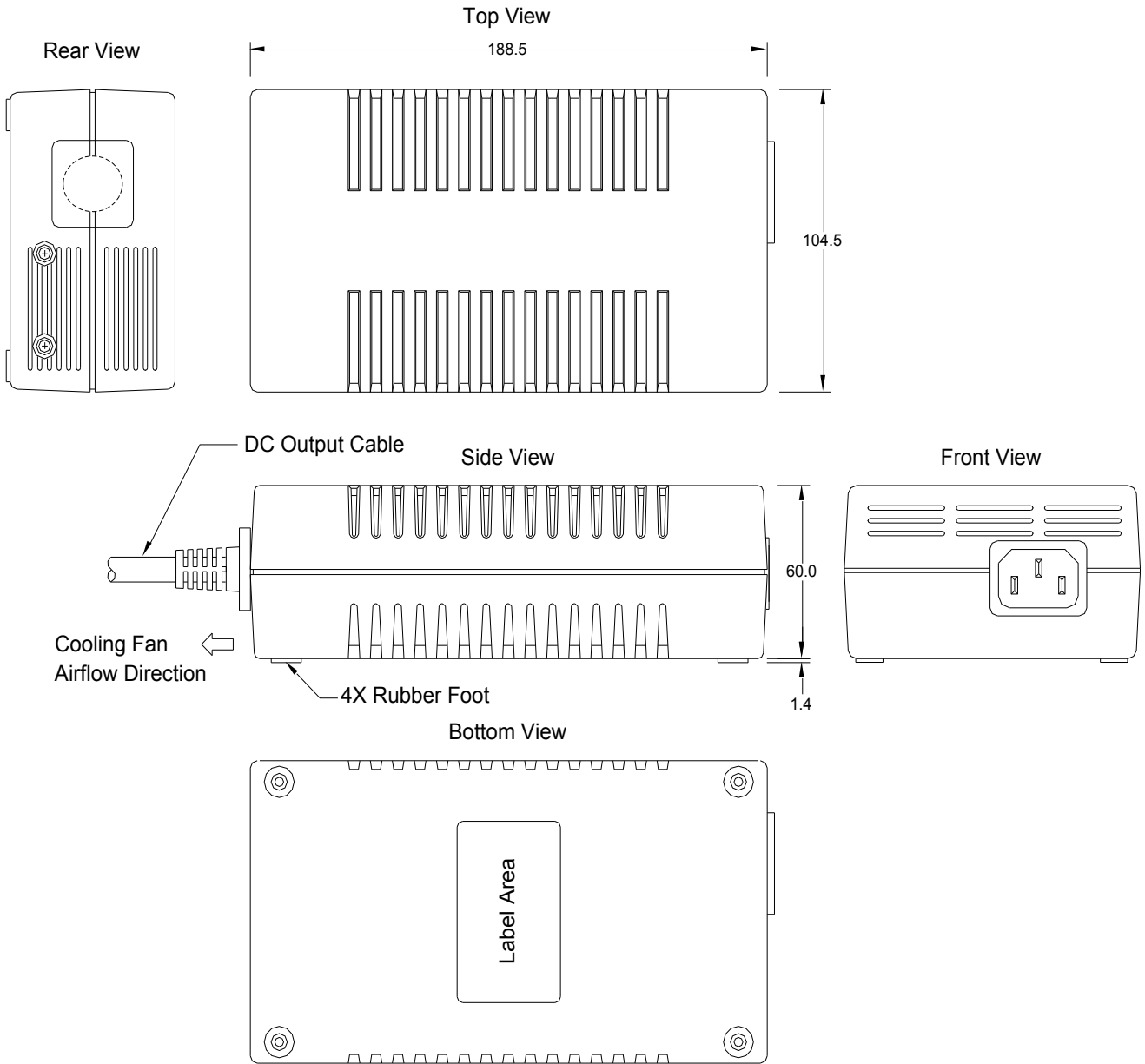
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AC/DC Switching Adapter- Single Output

MECHANICAL SPECIFICATION



NOTES:

- CASE COLOR: Black
- AC INLET: IEC320-C14
- DC CABLE: UL2468 20AWG Length = 1500mm (59.1 inches)
- TOLERANCE: $\pm 0.5\text{mm}$



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