



FEATURES

- Complies with Flex ATX Standard
- Meets 80PLUS Gold Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Remote ON/OFF Function
- 5,000 Meters Operating Altitude
- Approved to UL/IEC/EN 60950-1 2nd Edition



INPUT SPECIFICATIONS

Input Voltage Range ..... 90-264 VAC  
 Input Frequency ..... 47-63Hz  
 Input Current ..... 3A rms max. @ 115 VAC  
    1.5A rms max. @ 230 VAC  
 Earth Leakage Current ..... 350µA max. @ 264 VAC, 50Hz

OUTPUT SPECIFICATIONS

Output Power Ratings ..... See rating chart  
 Load Regulation ..... See rating chart  
 Ripple & Noise\* ..... See rating chart  
 Hold-up Time ..... 12ms min. @ 115 VAC, 60 Hz  
    16ms min. @ 230 VAC, 50 Hz  
 Rise Time ..... 20ms max. @ 115/230 VAC  
 Over Voltage Protection, +3.3V .. 3.5-4.8V  
    +5V ..... 5.5-7V  
    +12V ... 13.4-16V  
 Over Current Protection, +3.3V .. 22-50A  
    +5V ..... 22-45A  
    +12V ... 22-30A  
 Short Circuit Protection ..... Shut down, Latch off  
 Temperature Coefficient ..... ±0.04%/°C max.

\* Measured with 20MHz bandwidth at rated line voltage and output load ranges, with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic disk capacitor across the output connector.

OUTPUT VOLTAGE & CURRENT RATING CHART				
Output Voltage	Minimum Load	*Maximum Load	Load Regulation	Ripple & Noise VP-P Max.
+3.3V	0.3A	14A	±5%	50mV
+5V	0.3A	16A	±5%	50mV
+12V <sub>1</sub>	0.5A	16A	±5%	120mV
+12V <sub>2</sub>	0.5A	16A	±5%	120mV
-12V	0A	0.5A	±10%	120mV
+5Vsb	0A	3A	±5%	50mV

\* The overall output power is 250W maximum.  
 \* The total output power for +3.3V & +5V is 90W maximum.

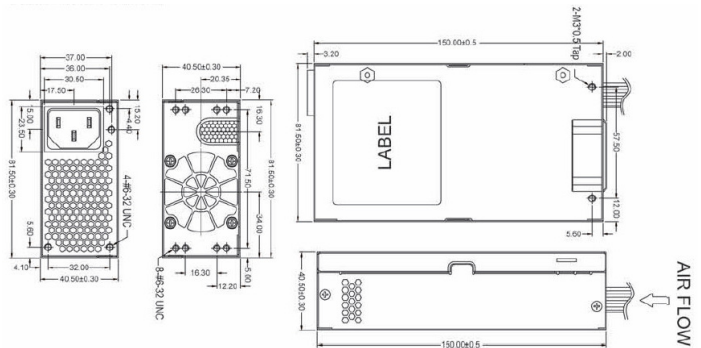
GENERAL SPECIFICATIONS

Efficiency ..... 87% min. @ full load  
 Operating Altitude ..... 5,000 meters max.  
 Operating Temperature ..... 0°C to +50°C  
 Storage Temperature ..... -20°C to +80°C  
 Relative Humidity ..... 5% to 95% non-condensing  
 Withstand Voltage ..... 1,800 VAC, input-ground  
 MTBF ..... 150K hours minimum at full load & 25°C ambient, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCES

EMI/EMC ..... FCC & CISPR 22, Class B conducted  
    FCC & EN 55022, Class B radiated  
 Safety Standards ..... UL/IEC/EN 60950-1 2nd Edition  
 Agency Approvals ..... UL, cUL, TUV, CB, CE  
 Other Compliance ..... 80PLUS, RoHS, EuP Lot 6:2013

MECHANICAL SPECIFICATIONS



- Notes:  
 1. Dimensions in mm.  
 2. Customized cable set available upon request.