



FEATURES

- PS/2 ATX Form Factor
- Complies with ATX12V Standard
- Meets 80PLUS Platinum Efficiency Level
- Active PFC meets EN 61000-3-2
- 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 8A rms max. @ 115 VAC
 4A rms max. @ 230 VAC
 Inrush Current 50A @ 115 VAC,
 100A @ 230 VAC, at 25°C cold start
 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. @ 115/230VAC
 Over Voltage Protection, +3.3V .. 3.5-4.8V
 +5V 5.5-7V
 +12V ... 13.4-16V
 Over Current Protection, +3.3V .. 35-60A
 +5V 30-45A
 +12V ... 22-30A
 Short Circuit Protection Shut down & Latch off on
 +3.3V/+5V/+12V; No damage on -12V/-5V
 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	24A	±5%	50mV
+5V	0.3A	20A	±5%	50mV
+12V ₁	0.3A	18A	±5%	120mV
+12V ₂	0.3A	18A	±5%	120mV
-12V	0A	0.5A	±10%	120mV
+5Vsb	0A	3A	±5%	50mV
*-5V	0A	0.2A	±10%	100mV

* The overall output power is 500W maximum.
 * The total output power for +3.3V & +5V is 120W maximum.
 * -5V output is optional.

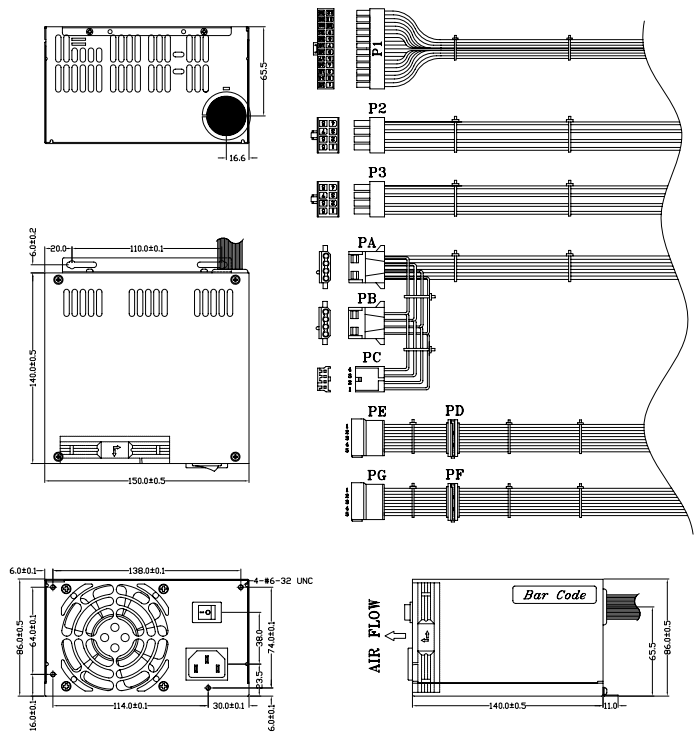
GENERAL SPECIFICATIONS

Efficiency 92% typ. @ 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, CCC, CB, CE
 Other Compliance 80PLUS, RoHS, EuP Lot 6:2013

MECHANICAL SPECIFICATIONS



Notes:

1. Dimensions in mm.
2. Power switch is optional.
3. Customized cable sets available upon request.