



FEATURES

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



INPUT SPECIFICATIONS

Input Voltage Range 90-264 VAC
 Input Frequency 47-63Hz
 Input Current 7A rms max. @ 115 VAC
 3.5A 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 17ms min. @ 115/230VAC
 Rise Time 20ms max. @ 115/230VAC
 Over Voltage Protection, +3.3V .. 3.5-4.3V
 +5V 5.5-7V
 +12V ... 13.4-15.6V
 Over Current Protection, +3.3V .. 50mV p-p
 +5V 50mV p-p
 +12V ... 120mV p-p
 -12V 120mV p-p
 +5Vsb . 50mV p-p
 Short Circuit Protection On all outputs, Load of less than 0.1 ohm
 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	0.1A	16A	±5%	50mV
+5V	0.3A	19A	±5%	50mV
+12V ₁	1A	16A	±5%	120mV
+12V ₂	1A	16A	±5%	120mV
-12V	0A	0.3A	±10%	120mV
+5Vsb	0A	2A	±5%	50mV

* The overall output power is 400W maximum.
 * The total output power for +3.3V & +5V is 105W maximum.
 * The total output current for +12V₁ & +12V₂ is 25A maximum.

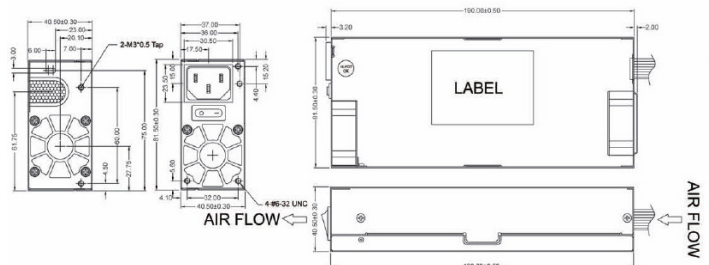
GENERAL SPECIFICATIONS

Efficiency 80% min. @ full load
 Operating Altitude 2,000 meters max.
 Operating Temperature 0°C to +50°C
 Storage Temperature -40°C to +70°C
 Relative Humidity 5% to 90% 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, CCC
 Other Compliance 80PLUS, RoHS, EuP Lot 6:2013

MECHANICAL SPECIFICATIONS



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