



FEATURES

- 1U Form Factor
- Meets ATX12V Standard
- 80PLUS Gold Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- 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 .....	4A rms max. @ 115 VAC
	2A 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 .....	16ms min. @ 115/230VAC
Rise Time .....	20ms max. @ 115/230VAC
Over Voltage Protection, +3.3V ..	3.7-4.8V
	+5V ..... 5.7-7V
	+12V ... 13.3-16V
Over Current Protection, +3.3V ..	50mV p-p
	+5V ..... 50mV p-p
	+12V ... 120mV p-p
	-12V .... 120mV p-p
	+5Vsb . 50mV p-p
	-5V ..... 100mV 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	0.3A	14A	±5%	50mV
+5V	0.3A	16A	±5%	50mV
+12V1	0.5A	16A	±5%	120mV
+12V2	0.5A	16A	±5%	120mV
-12V	0A	0.5A	±10%	120mV
+5Vsb	0A	3A	±5%	50mV
*-5V	0A	0.2A	±10%	100mV

\* The overall output power is 300W maximum.  
 \* The total output power for +3.3V & +5V is 105W maximum.  
 \* -5V output is optional.

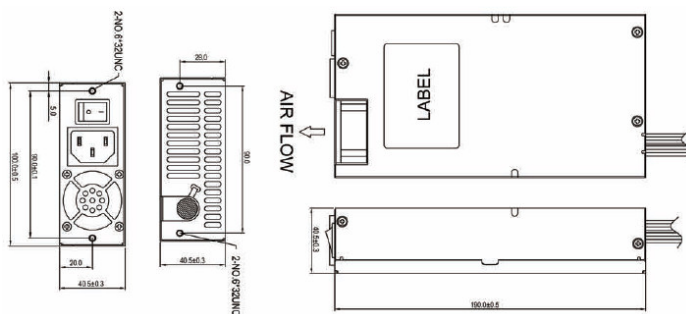
GENERAL SPECIFICATIONS

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, CB, CE, CCC
Other Compliance .....	80PLUS, RoHS

MECHANICAL SPECIFICATIONS



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