



### FEATURES

- PS/2 ATX Form Factor
- Complies with ATX12V Standard
- Meets 80PLUS Bronze Efficiency Level
- Active PFC meets EN 61000-3-2 Standard
- Remote ON/OFF Function
- Approved to UL/IEC/EN 60950-1 2nd Edition



### INPUT SPECIFICATIONS

Input Voltage Range .....	90-264 VAC
Input Frequency .....	47-63Hz
Input Current .....	6A rms max. @ 115 VAC
	3A rms max. @ 230 VAC
Earth Leakage Current .....	350µA max. @ 264 VAC, 63Hz

### OUTPUT SPECIFICATIONS

Output Power Ratings .....	See rating chart
Load Regulation .....	See rating chart
Ripple & Noise* .....	See rating chart
Hold-up Time .....	17ms min. @ 115/230 VAC
Rise Time .....	20ms max. @ 115/230 VAC
Over Voltage Protection, +3.3V ..	3.76-6V
	+5V .... 5.74-7V
	+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	21A	±5%	50mV
+5V	0.2A	15A	±5%	50mV
+12V <sub>1</sub>	0.1A	11A	±5%	120mV
+12V <sub>2</sub>	0.5A	8A	±5%	120mV
-12V	0A	0.3A	±10%	120mV
+5Vsb	0A	2.5A	±5%	50mV

\* The overall output power is 300W maximum.  
 \* The total output power for +3.3V & +5V is 130W maximum.  
 \* +12V<sub>2</sub> supports processor power requirements and must have a separate current limit and provide 13A peak current for 10ms, minimum voltage during peak is >10.8VDC.

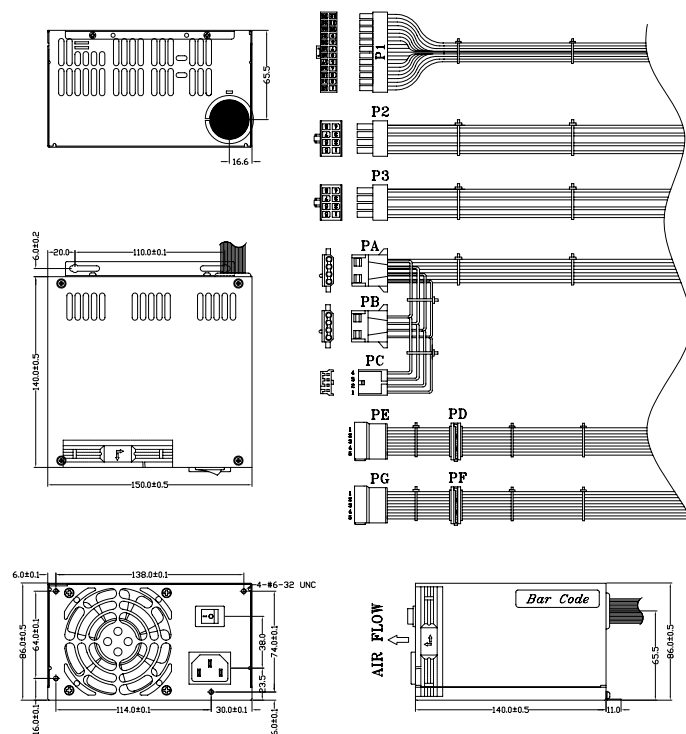
### GENERAL SPECIFICATIONS

Efficiency .....	85% typ. @ full load
Operating Altitude .....	2,000 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. Power switch is optional.
  3. Customized cable sets available upon request.