Medically Approved
300W ATX PC Power Supply
Product # TMPC-300-P4



5.91" X 5.51" X 3.39"
(150 X 140 X 86 mm)

***12V cable/connector for P4 is standard.**
***Unit without on/off switch is optional.**
***Universal input + PFC model available.**

Features
- ATX Rev. 2.03 Compatible with P4 Connector
- High Efficiency
- Low Ripple & Noise
- Output Overvoltage Protections
- Short Circuit Protection on All Outputs
- Resettable Power Shutdown
- On/Off Switch + Remote On/Off Control
- Approved to UL 2601-1, IEC 601-1, EN 60601-1 Medical Standards
- Complies with FCC Part 15, Subpart J Class B and CISPR 22
- Ball-Bearing Fan + Noise Killer
- 100% Burn-in @50°C
- MTBF > 150,000 Hours @25°C
- 100% Hi-Pot Test
- Input Line Fuse Protection

Input Specifications
Voltage: 90-132 VAC or 180-264 VAC switchable
Frequency: 47Hz to 63 Hz
Input current: 8A max. @115 VAC/60Hz; 4A max. @230 VAC/50Hz

Other Specifications
Temperature range: Operating 0°C~50°C; Non-operating: -20°C~65°C
Temperature coefficient: 0.01%/°C
Transient response: Output voltage returns in less than 1 ms max. following a 25% load change
Hold up time: 16ms minimum at full load & nominal input voltage
Dielectric withstand: 1800 VAC from input to output for 1 sec.; 1800 VAC from input to frame ground for 1 sec.
Humidity: 5~95% RH
Efficiency: 65% min.; 70% typical, at full load
Power good signal: turn-on delay 100 ms to 500 ms
Overload protection: 150% Max.
Inrush current: 60A cold, 80A warm at 132 VAC @ 25°C ambient
Over voltage protections: +5V output: 6.5V; +3.3V output: 4.6V; +12V output: 15.5V

Output Specifications

DC Output Voltage	Minimum Load	Normal Load	*Maximum Load	Regulation		Ripple & Noise P-P (Max.)
				Load	Line	
+3.3V	0A	7A	*3/14A	±5%	±1%	50mV P-P
+5V	1.5A	15A	*30/23A	±5%	±1%	50mV P-P
+12V	0.1A	4A	10A	±5%	±1%	120mV P-P
-12V	0A	0.4A	0.8A	±10%	±2%	120mV P-P
-5V	0A	0.15A	0.3A	±10%	±2%	120mV P-P
+5Vsb	0A	1A	2.0A	±5%	±1%	50mV P-P

*Total output on +3.3V & +5V not to exceed 160 watts.
*Total output on +3.3V, +5V and +12V not to exceed 280 watts.

-06/2010-

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