Medically Approved

500W ATX PC Power Supply

Product # TMPC-500



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

***90-265 VAC universal input + PFC**
***Unit without on/off switch is optional.**

Features

- 90-265 VAC universal input
- Active PFC
- Low ripple & noise
- Output over voltage protection
- Short circuit protection on all outputs
- Resettable power shut down
- Low noise cooling fan
- 100% burn-in at 50°C
- 100% Hi-pot tested
- MTBF > 200,000 hours @25°C
- Line input fuse protection
- Approved to UL 60601-1, IEC 60601-1, EN 60601-1 medical standards
- Complies with EN 61000-3-2, EN 60601-1-2, EN 55011 standards
- < 90µA @264VAC low leakage version available

Input Specifications

- Input voltage: 90 to 265 VAC
- Input frequency: 47 to 63 Hz
- Input current: 8.0A@115VAC, 4.0A@230VAC

Other Specifications

- Hold-up time: 20ms @115VAC/60Hz, 20ms @230VAC/50Hz.
- Efficiency: 68% @ full load
- MTBF: >200,000 hours at full load @25°C
- Operating temperature: 0°C to +50°C
- Storage temperature: -20°C to +80°C
- Relative humidity: 5% to 95% non-condensing

Output Specifications

- Over voltage protection: +3.7V to +4.5V for +3.3V; +5.7V to +6.5V for +5V; +13.3V to +15.6V for +12V
- Short circuit protection: On all outputs

DC Output Voltage	Minimum Load	*Maximum Load	Load Regulation	Ripple & Noise P-P (Max.)
+3.3V	0.5A	30A	±5%	50mV
+5V	0.3A	30A	±5%	50mV
+12V (1)	1A	17A	±5%	120mV
+12V (2)	1A	17A	±5%	120mV
-12V	0A	0.8A	±10%	120mV
+5Vsb	0A	2A	±5%	50mV
-5V	0A	0.3A	±10%	100mV

*+3.3V & +5V total output: 200W max.
*+3.3V & +5V & +12V total output: 480W max.

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