TRUMPower

TMPC-500

Medical Grade 500W ATX PC Power Supply

FEATURES

- 90-265 VAC Universal Input
- Meets ATX12V & EPS12V Standards
- Meets IEC/EN 60601-1-2 4th Edition Medical EMC
- Approved to IEC/EN/UL 60601-1 3.1 Edition
- Low Noise Cooling Fan

INPUT SPECIFICATIONS

Input Voltage Range ..... 90~265 VAC
Input Frequency ..... 47~63Hz
Input Current ..... 8A @ 115 VAC
4A @ 230 VAC

OUTPUT SPECIFICATIONS

Output Power Ratings ..... See Rating Chart
Load Regulation ..... See Rating Chart
Ripple & Noise ..... See Rating Chart
Hold-up Time ..... 20ms @115 VAC/60Hz,
20ms @ 230 VAC/60Hz
Overvoltage Protection, +3.3V ..... +3.7V to +4.5V
+5V ..... +5.7V to +6.5V
+12V ..... +13.3V to +15.6V
Short-circuit Protection ..... On all outputs

OUTPUT VOLTAGE & CURRENT RATING CHART

DC Ouptut Voltage	Minimum Load	*Maximum Load	Load Regulation	Ripple & Noise VP-P Max.
+3.3V	0.5A	30A	±5%	50mV
+5V	0.3A	30A	±5%	50mV
+12V1	1A	17A	±5%	120mV
+12V2	1A	17A	±5%	120mV
-12V	0A	0.8A	±10%	120mV
+5Vsb	0A	2A	±5%	50mV
-5V	0A	0.3A	±10%	100mV

* The total output power for +3.3V & +5V is 200W maximum .
* The total output power for +3.3V, +5V & 12V is 480W maximum .

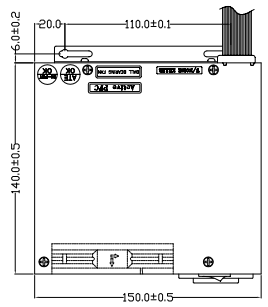
GENERAL SPECIFICATIONS

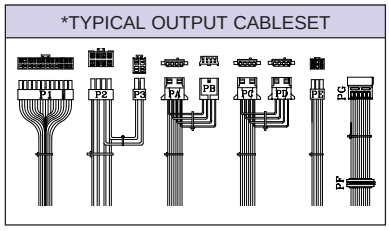
Efficiency ..... 68% at full load
Operating Temperature .... 0°C to +50°C
Storage Temperature ..... -20°C to +80°C
Relative Humidity ..... 5% to 95% non-condensing
MTBF ..... 150K hours mininum at full load & 25°C ambient, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCES

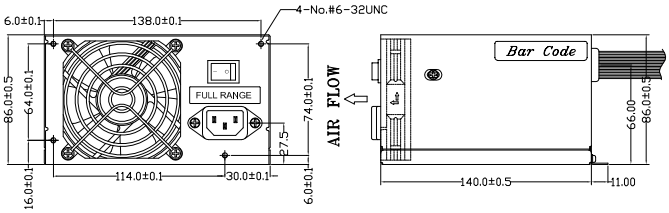
Emissions ..... EN 55011, Class B conducted & radiated
Immunity ..... EN 61000-3-2, EN 60601-1-2:2014
Safety Standards ..... UL/IEC/EN 60601-1 (Edition 3.1)
Agency Approvals ..... UL, cUL, VDE, CB, CE, FCC
Other Compliance ..... RoHS

MECHANICAL SPECIFICATIONS





*Custom output cablesets available



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Tumbler Technologies + TRUMPower

3350 Scott Blvd., Building 13 • Santa Clara, California 95054, USA • 408-988-6616 • sales@trumpower.com • www.TRUMPower.com