TRUMPower

TMPC-400

Medical/ITE Grade 400W ATX PC Power Supply

FEATURES

- 90-265 VAC Universal Input with Active PFC
- Meets ATX12V & EPS12V Standards
- Low Noise Ball-Bearing Fan
- Line Fuse & Optional Over Temperature Protections
- EN/IEC 60601-1 3rd Ed. & EN 60950-1 2nd Ed. Approvals
- Lower Leakage Version Available

INPUT SPECIFICATIONS

Input Voltage Range ..... 90~265 VAC
Input Frequency ..... 47~63Hz
Input Current ..... 8A @ 115 VAC
4A @ 230 VAC
Power Factor ..... 0.95 Min.

OUTPUT SPECIFICATIONS

Output Power Ratings ..... See Rating Chart
Load Regulation ..... See Rating Chart
Ripple & Noise ..... See Rating Chart
Hold-up Time ..... 20ms @ 115VAC/60Hz,
20ms @ 230VAC/50Hz
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 overall output power is 400W maximum.
* The total output power for +3.3V & +5V is 180W maximum .
* The total output power for +3.3V, +5V & +12V is 380W maximum.

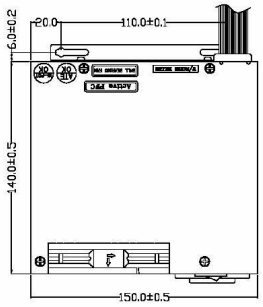
GENERAL SPECIFICATIONS

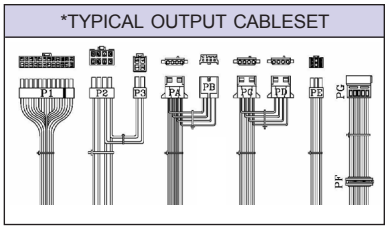
Efficiency ..... 79% Typ. at full load & 230V input
Operating Temperature .. 0˚C to +50˚C
Storage Temperature ..... -20˚C to +80˚C
Relative Humidity ..... 5% to 95% non-condensing
MTBF ..... 154,400 hours at full load, +25˚C ambient & nominal line input, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCES

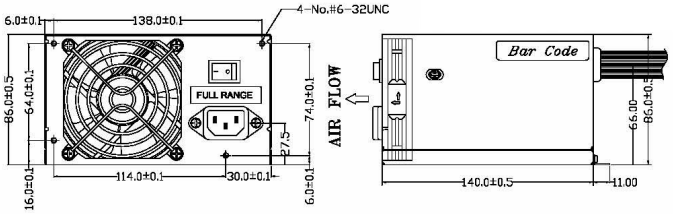
Emissions ..... EN 55011 Class B conducted & radiated
Immunity ..... EN 61000-3-2, EN 60601-1-2
Safety Standards ..... EN/IEC 60601-1 3rd Ed., ANSI/AAMI ES 60601-1: 2005, CAN/CSA-C22.2 No. 60601-1:08; EN 60950-1 2nd Ed.
Agency Approvals ..... UL, cUL, VDE, CE, CB, FCC
Other Compliance ..... RoHS

MECHANICAL SPECIFICATIONS





*Custom output cablesets available



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