TMPC400-72

400W Medical ATX PC Power Supply with Low Leakage

FEATURES

- 90-265 VAC Universal Input With Active PFC
- Meets ATX12V & EPS12V Standards
- Low Leakage Current
- Line Input Fuse Protection
- Long Life Ball-bearing Fan With Noise-killer
- Active PFC Meets EN61000-3-2 Standard

INPUT SPECIFICATIONS

Input Voltage Range ..... 90~265 VAC
Input Frequency ..... 47~63Hz
Input Current ..... 8A @ 115 VAC
4A @ 230 VAC
Leakage Current ..... 90µA max. @264 VAC

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 P-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: 380W maximum.

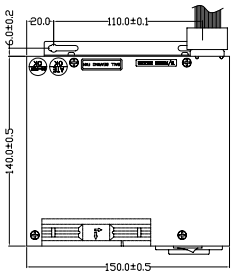
GENERAL SPECIFICATIONS

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 ..... 200K hours mininum at full load & 25˚C ambient, calculated per MIL-HDBK-217F

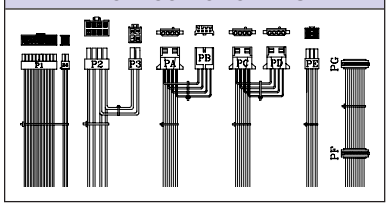
STANDARDS & COMPLIANCES

Emissions ..... EN 55011, Class B conducted & radiated
Immunity ..... EN 61000-3-2, EN 60601-1-2
Safety Standards ..... UL 60601-1, IEC 60601-1 & EN 60601-1
Agency Approvals ..... UL, TUV, CB, CE
Other Compliance ..... RoHS

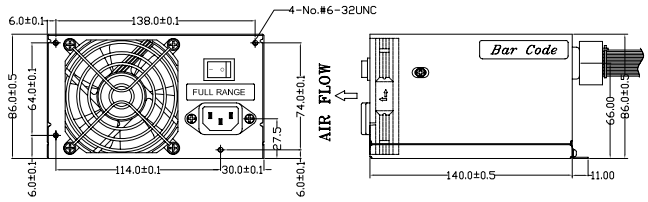
MECHANICAL SPECIFICATIONS



*TYPICAL OUTPUT CABLESET



*Custom output cablesets available



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