TRUMPower

TMPC-250-1U

1U 250W Medical Grade ATX12V PC Power Supply

FEATURES

- Complied with ATX12V, EPS 1U 2.0 standards
- Output overvoltage, short circuit, and overcurrent protection
- High efficiency and reliability
- Resettable power shutdown
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise killer (thermal fan speed control function)
- Low noise and ripple
- 100% Hi-Pot, ATE, and Burn-In tested
- 80PLUS, RoHS compliant

7.48" x 3.94" x 1.60"
(190mm x 100mm x 40.5mm)

INPUT SPECIFICATIONS

Input Voltage ..... 90 to 264VAC
Input Frequency ..... 47 to 63Hz
Input Current ..... 4A (rms) for 115VAC
2A (rms) for 230VAC
Inrush Current ..... No damage

SAFETY STANDARDS AND APPROVALS

- Active PFC meet EN61000-3-2
- Compatible with European Union Directive 2002/95/EC (Restriction on hazardous substances)
- Complies with FCC part 18 Subpart C 120VAC operation, and EN60601-1-2, EN55011, 230VAC operation
- Approved by UL/CUL 60601-1, VDE EN60601-1, CB, FCC, CE, EMC

OTHER SPECIFICATIONS

Leakage Current ..... 0.3mA max @ 264VAC, 63Hz
Hold-up Time ..... 17ms minimum
Efficiency ..... 80% at full load
MTBF ..... 100,000h @ 25°C full load
Withstand Voltage ..... 1800VAC input to ground
Power Good Signal ..... On delay time 100-500ms
Off delay 1ms minimum
Operating Temperature ..... 0°C to +50°C
Storage Temperature ..... -20°C to +80°C
Relative Humidity ..... 85% (operating)
95% (storage)

OUTPUT SPECIFICATIONS

DC Output Voltage	Minimum Load	Normal Load	*Maximum Load	Load Regulation	Ripple & Noise P-P (Max.)
+3.3V	0.5A	8A	16A	±5%	50mV
+5V	0.5A	9A	18A	±5%	50mV
+12V1	1.0A	8A	16A	±5%	120mV
+12V2	1.0A	8A	16A	±5%	120mV
-12V	0A	0.25A	0.5A	±10%	150mV
-5V	0A	0.1A	0.2A	±10%	120mV
+5VSB	0A	1.25A	2.5A	±5%	50mV

* +3.3V & +5V total output: 110W max.
* +12V1, +12V2, +5V & +3.3V total output shall not exceed 231W.
* Maximum combined current for the 12V outputs shall be 17A.
* Total output power for this power supply is 250W.

Tumbler Technologies + TRUMPower

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