

Medically Approved

300W PC Power Supply for 1U Installation

Product # TMPC-300-1U



7.48" L * 3.94" W * 1.59" H

Features

- Complies with EPS 1U 2.0
- 90 to 264 VAC universal input
- Meets 1U Height Constraints
- High Efficiency
- Low Ripple & Noise
- Input Line Fuse Protection
- Output Overvoltage Protections
- Short Circuit Protection on All Outputs
- Active Power Factor Correction (PFC) meets EN61000-3-2
- UL, cUL, VDE, CE Approved to UL 60601-1, EN 60601-1, IEC 60601-1
- Meets FCC Part 18 Subpart C, EN60601-1-2, EN55011, CISPR 22
- MTBF > 100,000 hours @ 25°C
- 100% Burn-in @ 50°C
- 100% Hi-Pot Test

Input Specifications

Voltage: 90-264 VAC

Frequency: 47-63 Hz

Input current: 5A max. @115VAC, 3A max. @230VAC

Earth leakage current: 200µA max. @264 VAC/63Hz

Output Specifications

DC Output Voltage	Minimum Load	*Maximum Load	Regulation	Ripple & Noise P-P (Max.)
+3.3V	0.5A	16.0A	±5%	50mV
+5V	0.5A	18.0A	±5%	50mV
+12V1	1.0A	16.0A	±5%	120mV
+12V2	1.0A	16.0A	±5%	120mV
-12V	0A	0.5A	±10%	150mV
-5V	0A	0.2A	±10%	120mV
+5Vsb	0A	2.5A	±5%	50mV

*Maximum overall output is 300W.

*Total output on +3.3V and +5V shall not exceed 120W.

*Total output on +12V1, +12V2, +5V, +3.3V shall not exceed 281W.

*Maximum load on +12V1 and +12V2 shall not exceed 20A.

Other Specifications

Inrush current: 60A/120A cold start at 115/230 VAC, 25°C ambient

Overload protection: 150% Max

Overvoltage protections: +3.3V: 3.5-4.8V; +5V: 5.5-7.0V; +12V1 and +12V2: 13.4-15.8V

Power good signal: turn-on delay 100 msec to 500 msec

Power fail signal delay time: 1 msec min.

Hold up time: 17ms min. at full load and nominal input voltage

Efficiency: 80% min. at full load

Temperature range: Operating 0°C-50°C; Non-operating -20°C-80°C

Humidity: Operating 85% RH, non-condensing; Non-operating 95% RH, non-condensing

Temperature coefficient: 0.01%/°C