

Medically Approved

180W PC Power Supply for 1U Application

Product # TMPC-180-1U



7.48" L * 3.21" W * 1.59" H
90-265 VAC full range input + PFC
12V P4 connector

Features

- Complies with SFX12V 2.0
- 90 to 265 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 EN 61000-3-2
- 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 11 Class B
- MTBF > 100,000 Hours @ 25°C
- 100% Burn-in @ 50°C
- 100% Hi-Pot Test

Input Specifications

Voltage: 90-265 VAC

Frequency: 47-63Hz

Input current: 4A max. @115VAC/60Hz, 2A max. @230 VAC/50Hz

Leakage current: 0.3mA max. @264 VAC/63Hz, AC to safety ground

Output Specifications

| DC Output Voltage | Minimum Load | Normal Load | *Maximum Load | *Regulation | | Ripple & Noise P-P (Max.) |
|-------------------|--------------|-------------|---------------|-------------|------|---------------------------|
| | | | | Load | Line | |
| +3.3V | 0.3A | 8.4A | 16.8A/4.5A | ±5% | ±1% | 50mV P-P |
| +5V | 0.3A | 6A | 12A/9A | ±5% | ±1% | 50mV P-P |
| +12V | 1.5A | 6A | 12A/9A | ±5% | ±1% | 120mV P-P |
| -12V | 0A | 0.4A | 0.8A | ±10% | ±2% | 120mV P-P |
| +5Vsb | 0A | 1A | 2.0A | ±5% | ±1% | 50mV P-P |

*Total output on +3.3V and +5V shall not exceed 61W.

*Total output on +3.3V, +5V and +12V shall not exceed 165W, and is limited to 180W total power.

*+3.3V, +5V, +12V, and -12V will have ±10% regulation with all loads removed.

Other Specifications

Inrush current: 50A/80A cold strat at 115/230 VAC, 25°C ambient

Overload protection: 150% Max

Overvoltage protections: +5V: 5.7-6.5V; +3.3V: 3.7-4.5V; +12V: 13.3-15.6V

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: 68% min. at full load

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

Humidity: 5-95% RH, non-condensing

Temperature coefficient: 0.01%/°C

Tumbler Technologies + TRUMPower

Santa Clara, California USA • Phone 408-988-6616 • sales@TRUMPower.com • www.TRUMPower.com