

## 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**

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