

### DESCRIPTION

TIPC280-FXB is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 280 Watts, and uses unique active PFC (Power Factor Correction) circuit design with its high-load electrical components, makes it to be perfectly used in an industrial environment. In addition, with its full range of input and output electrical features, the power supply is ideally the best choice for PoE Switch, PoE NVR, communication or any other networking applications to use. The product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.



### APPLICATION

For PoE Switch, PoE NVR and networking system.

### FEATURES

- 80 Plus Bronze
- Low Ripple & Noise
- Output over voltage protection
- Short circuit protection on all outputs
- Resettable power shut down
- INTERNAL 4 cm fan
- 100% burn-in under high ambient temperature(50°C)
- Vacuum-impregnated transformer
- MTBF:100K hours at 25°C
- 100% Hi-pot tested
- Line input fuse protection

### WATTAGE

**Wattage:** 280W

### DIMENSION

**Dimension:** 150mm(L) x 81.5mm(W) x 40.5mm(H)

### PRODUCT HIGHLIGHT

**Efficiency Level:** 80 Plus Bronze

### INPUT SPECIFICATION

**Input Range:** 90-264 Vac  
**Input Frequency:** 47-63 Hz  
**Input Current:** 115V@ 5.5 Amps-rms maximum  
 230V@ 3.2 Amps-rms maximum

### GENERAL SPECIFICATION

**Efficiency:** 90% 115VAC  
**Voltage Regulation:** +12V: ±5%

### SAFETY STANDARD APPROVAL



### OUTPUT SPECIFICATION

**Hold up Time:** 115V/60Hz 20mSec.  
 Minimum@100% Load,  
 230V/50Hz 20mSec.  
 Minimum,@100% Load  
**Output Rise Time:** 115V-rms/230V-rms +12V:  
 20ms Maximum  
 115V-rms/230V-rms +53V:  
 20ms Maximum  
**Ripple & Noise:** 12V1:140mV p-p  
 53V:400mV p-p  
**Short Circuit Protection:** load < 0.05 Ohm

### ENVIRONMENTAL SPECIFICATION

**TEMP.Range:** Storage Temperature: -20°C to + 80°C  
**MTBF:** The power supply have a minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous operation at 25°C, maximum-output load, and nominal AC input voltage.

\*Output Voltage and Current Rating

	+12V1	+53V
<b>Ripple-Noise(R-P) mV</b>	140mV	400mV
<b>Regulation Load %</b>	±5%	±5%
<b>Output Max.(A)</b>	8A	4.2A
<b>Output Min.(A)</b>	0A	0A

### NOTES

- Total output for this subject power supply is 280 watts.
- Ripple and noise measurements shall be made under all specified load conditions through a single pole low pass filter with 20MHz cutoff frequency. Outputs shall bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

**Tumbler Technologies + TRUMPower**

Santa Clara, California, USA • [www.TRUMPower.com](http://www.TRUMPower.com) • [Sales@TRUMPower.com](mailto:Sales@TRUMPower.com)