

DESCRIPTION

FSP280-20FGBB 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%

*Output Voltage and Current Rating

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

This content is subject to change, please refer to specification for more detail.
 FSP reserve the right to change the content without prior notice

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 inout voltage.