

DESCRIPTION

FSP400-60FGGBA is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 400 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 server, workstation, communication or any other automation applications to use. The product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.



APPLICATION

For standard, advanced server, NAS and industrial power system.

FEATURES

- 80 Plus Gold high efficiency
- Low Ripple & Noise
- 100% burn-in under high ambient temperature(50°C)
- 100% Hi-pot tested Complies with EN61000-3-2 AC input full range

WATTAGE

Wattage: 400W

DIMENSION

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

PRODUCT HIGHLIGHT

Efficiency Level: 80 Plus Gold
Altitude: 5000M
PMBus: For standard, advanced server, NAS and industrial power system.

INPUT SPECIFICATION

Input Range: 90-264 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ 6.0 Amps-rms maximum
 230V@ 3.0 Amps-rms maximum

GENERAL SPECIFICATION

Efficiency: 90% 230VAC
Voltage: +3.3V, +12V, +5V, +5SB: ±5%
Regulation: -12V: ±10%

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	14A	16A	18A	18A	0.5A	3A
Output Min.(A)	0.1A	0.1A	0.1A	0.2A	0A	0A

NOTES

- The +3.3V and +5V total output shall not exceed 90 watts.
- The total output shall not exceed 400 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 47uF 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 APPAOVAL



OUTPUT SPECIFICATION

Hold up Time: 115V/60Hz 12mSec.
 Minimum@100% Load,
 230V/50Hz 17mSec.
Output Voltage Regulation: Minimum,@100% Load
 +3.3Vdc output : +3.5 Vdc
 minimum, + 4.3Vdc
 maximum
 +5Vdc output : +5.5 Vdc
 minimum, + 7Vdc maximum
 +12Vdc output : +13.4 Vdc
 minimum, + 15.6Vdc
 maximum
Output Rise Time: 115V-rms/230V-rms 5V
 20ms Maximum
Ripple & Noise: 3.3V:50mV p-p
 5V:50mV p-p
 12V1:120mV p-p
 12V2:120mV p-p
 -12V:120mV p-p
 5Vsb:50mV p-p

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