IPC PSU
FSP700-80PSA

DESCRIPTION

FSP700-80PSA is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 700 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 workstation, server and industrial power system.

FEATURES

- 85 Plus
- 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℃)
- Vacuum-impregnated transformer
- MTBF:100K hours at 25℃
- 100% Hi-pot tested Line input fuse protection

WATTAGE

Wattage: 700W

DIMENSION

Dimension: 140mm(L) x 150mm(W) x 86mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: 80 Plus Bronze
Altitude: 2000M
PMBus: For standard, advanced workstation, server and industrial power system.

INPUT SPECIFICATION

Input Range: 90-264 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ 12.0 Amps-rms maximum
230V@ 6.0 Amps-rms maximum

GENERAL SPECIFICATION

Effciency: 85% 230VAC
Voltage Regulation: +3.3V, +12V, +5V, +5SB: ±5%
-12V: ±10%

SAFETY STANDARD APPAOVAL

OUTPUT SPECIFICATION

Hold up Time: 115V/60Hz 16mSec. Minimum@100% Load, 230V/50Hz 16mSec. Minimum,@100% Load

Ouput Voltage Regulation: +3.3Vdc output : +3.9 Vdc minimum, + 4.5Vdc maximum
+5Vdc output : +5.7 Vdc minimum, + 6.5Vdc maximum
+12Vdc output : +13.3 Vdc minimum, + 16.7Vdc maximum

Output Rise Time: 115V-rms/230V-rms 5V 20ms Maximum
115V-rms/230V-rms 12V 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℃

MTBF: The power supply have a minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous operation at 25℃, maximum-output load, and nominal AC inout voltage

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	120mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	24A	30A	16A	16A	16A	16A	0.5A	4A
Output Min.(A)	1.5A	1A	1A	1A	1A	0.5A	0A	0.1A

NOTES

- 5V, 3.3V, 12V, -12V Will gave the regulation to 10% when all load take off.
- Maxmum combined current for the 12V outputs shall be 56A
- The +3.3V and +5V total output shall not exceed 170 watts.
- The total output shall not exceed 700 watts

MECHANICAL SPECIFICATION