IPC PSU
FSP1200-50AAG

DESCRIPTION

FSP1200-50AAG is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 1200 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 Gold
- 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:	1200W

DIMENSION

Dimension:	190mm(L) x 150mm(W) x 86mm(H)

PRODUCT HIGHLIGHT

Efficiency Level:	80 Plus Gold
Altitude:	5000M

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

SAFETY STANDARD APPAOVAL

OUTPUT SPECIFICATION

Hold up Time:	115V/60Hz 17mSec. Minimum@100% Load, 230V/50Hz 17mSec. Minimum,@100% Load
Ouput Voltage Regulation:	+3.3Vdc output : +3.76 Vdc minimum, + 4.8Vdc maximum +5Vdc output : +5.75 Vdc minimum, + 7.0Vdc maximum +12Vdc output : +13.5 Vdc minimum, + 15.5Vdc 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 -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	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	30A	30A	100A	0.8A	4A
Output Min.(A)	0A	0.1A	0.2A	0A	0A

NOTES

- Maximum continuous total DC output power should not exceed 1200W.
- Maximum continuous combined load on +3.3DC and +5VDC outputs shall not exceed 150W.
- 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.