IPC PSU
FSP400-70UDPB

DESCRIPTION

FSP400-70UDPB 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.

SAFETY STANDARD APPAOVAL

APPLICATION

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

FEATURES

- 80 Plus Platinum
- Low Ripple & Noise
- Output over voltage protection
- Short circuit protection on all outputs
- Resettable power shut down
- INTERNAL 4 cm fan
- Triple +12V output (+12V/1,+12V/2, +12V/3)
- 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: 400W

DIMENSION

Dimension: 220mm(L) x 100mm(W) x 40.5mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: 80 Plus Platinum
Altitude: 5000M
PMBus: v1.2

INPUT SPECIFICATION

Input Range: 90-264 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ 6.3 Amps-rms maximum
230V@ 3.0 Amps-rms maximum

GENERAL SPECIFICATION

Effciency: 92% 230VAC
Voltage Regulation: +3.3V, +12V, +5V, +5SB: ±5%
-12V, -5V: ±10%

OUTPUT SPECIFICATION

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

Ouput Voltage Regulation: +3.3Vdc output : +3.5 Vdc minimum, + 4.8Vdc maximum
+5Vdc output : +5.5 Vdc minimum, + 7Vdc maximum
+12Vdc output : +13.4 Vdc minimum, + 16Vdc 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
12V3:120mV 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	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±5%	±10%	±5%
Output Max.(A)	16A	18A	16A	16A	16A	0.5A	3A
Output Min.(A)	0.3A	1A	0.5A	1A	1A	0A	0A

NOTES

- Combined 3.3V and 5 power shall not exceed 110W.
- 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.
- Maximum continuous total DC output power should not exceed 400W