

IPC PSU **FSP300-40PFB**

DESCRIPTION

FSP300-40PFB is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 300 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. 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

- Low Ripple & Noise
- Output over voltage protection
- Short circuit protection on all outputs
- Resetable power shut down
- 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: DIMENSION

Dimension:

300W 140mm(L) x 150mm(W) x 86mm(H) PRODUCT HIGHLIGHT **Efficiency Level:** Non-80+ N/A

Altitude: PMBus:

Input Current:

workstation, server and industrial power system. INPUT SPECIFICATION Input Range: 90-264 Vac Input Frequency: 47-63 Hz

115V@ 7.0 Amps-rms maximum 230V@ 3.0 Amps-rms maximum

For standard, advanced

GENERAL SPECIFICATION Effciency: +12V, +5V,: ±5% -12V, -5V: ±10% Voltage
 Regulation:
 -12V, -5V: ±10%

 PWOK Delay Time:
 500ms > PWOK > 100ms

*Output Voltage and Current Rating

	+5V	+12V1	-12V	-5V
Ripple-Noise(R-P) mV	50mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±10%	±10%
Output Max.(A)	40A	15A	0.8A	0.3A
Output Min.(A)	2A	1A	0A	0A

NOTES

The +5V and +12V total output shall not exceed 290 watts. The total output shall not exceed 300 watts

MECHANICAL SPECIFICATION



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 € F© (A) = .¶.".

OUTPUT SPECIFICATION Hold up Time: 115V/60Hz 17mSec Minimum@100% Load,

	230V/50Hz 17mSec.
	Minimum,@100% Load
Ouput Voltage	+5Vdc output : +5.5 Vdc
Regulation:	minimum, + 6.82Vdc
	maximum
	+12Vdc output : +13.4 Vdc
	minimum, + 15.6Vdc
	maximum
Output Rise Time:	115V-rms/230V-rms 5V
	20ms Maximum
	115V-rms/230V-rms 12V
	20ms Maximum
Ripple & Noise:	5V:50mV p-p
	12V1:120mV p-p
	-12V:120mV p-p
Short Circuit Protection:	load < 0.1 Ohm

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° C,		
	maximum-output load, and		
	nominal AC inout voltage		