

# **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. 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°C)
- Vacuum-impregnated transformer
- MTBF:100K hours at 25°C
- 100% Hi-pot tested Line input fuse protection

W	AT	TAGE	

700W Wattage:

DIMENSION

140mm(L) x 150mm(W) x **Dimension:** 

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 47-63 Hz

Input Frequency: Input Current:

115V@ 12.0 Amps-rms maximum 230V@ 6.0 Amps-rms maximum

# GENERAL SPECIFIC

Effciency: 85% 230VAC

+3.3V, +12V, +5V, +5SB: ±5% -12V: ±10% Voltage

Regulation:

# 11111

## SAFETY STANDARD APPAOVAL







### **OUTPUT SPECIFICATION**

Hold up Time:

**Ouput Voltage** Regulation:

115V/60Hz 16mSec Minimum@100% Load, 230V/50Hz 16mSec. Minimum,@100% Load +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

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

115V-rms/230V-rms 12V

20ms Maximum 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:

Ripple & Noise:

Storage Temperature:  $20^{\circ}\text{C}$  to  $+~80^{\circ}\text{C}$ The power supply have a minimum predicted MTBF(MIL-HDBK-217) of

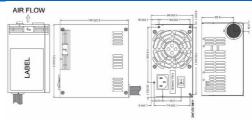
100,000 hours of continuous operation at  $25^{\circ}$ C, maximum-output load, and nominal AC inout voltage

*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	1 A	1 A	1 A	1 A	0.5A	0.A	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



This content is subject to change, please refer to specification for more detail. FSP reserve the right to change the content without prior notice