

# **IPC PSU** FSP700-80UEPB

#### DESCRIPTION

FSP700-80UEPB 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 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
- Four +12V output (+12V/1,+12V/2, +12V/3, +12V/4) 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:	700W
DIMENSION	
Dimension:	240mm(L) x 100mm(W) x 40.5mm(H)

## PRODUCT HIGHLIGHT

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

# 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: 92% 230VAC

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

Regulation:

# \*Output Voltage and Current Rating

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	+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)	25A	30A	16A	16A	16A	16A	0.5A	4A		
Output Min.(A)	0.1A	1A	1A	1A	1A	1A	0A	0A		

- Combined 3.3V and 5 power shall not exceed 170W
- Maximum combined current for the 12V outputs shall be 56A.
- 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 700W

# SAFETY STANDARD APPAOVAL



### **OUTPUT SPECIFICATION**

Hold up Time:

**Ouput Voltage** Regulation:

Ripple & Noise:

115V/60Hz 16mSec Minimum@100% Load, 230V/50Hz 16mSec. Minimum,@100% Load +3.3Vdc output: +3.5 Vdc minimum, + 4.5Vdc maximum

+5Vdc output : +5.5 Vdc minimum, + 6.82Vdc maximum

+12Vdc output : +13.4 Vdc minimum, + 15.6Vdc maximum

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

3.3V:50mV p-p 5V:50mV p-p 12V1:120mV p-p 12V2:120mV p-p 12V3:120mV p-p 12V4:120mV p-p -12V:120mV p-p 5Vsb:50mV p-p

## ENVIRONMENTAL SPECIFICATION

TEMP.Range: Storage Temperature:  $20^{\circ}\text{C}$  to  $+~80^{\circ}\text{C}$ 

The power supply have a MTBF:

minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous

operation at 25°( maximum-output load, and nominal AC inout voltage

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