

IPC PSU FSP400-60DL(48V)

DESCRIPTION

FSP400-60DL(48V) 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 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, communication and industrial power system.

- High efficiency, meet 80PLUS GOLD standards. Built-in active PFC function, > 0.95 at full load /
- 100Vrms input.
 With OVP, OCP, OTP & SCP protection function.
 With bi-color LED to indicate power supply status.

- Fan speed control circuit to reduce acoustic noise.

W	AT	TΑ	GE

Wattage: 400W

DIMENSION

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

86mm(H)

PRODUCT HIGHLIGHT

Efficiency Level:

NON-80PLUS PMBus:

For standard, advanced server,

communication and industrial power system.

INPUT SPECIFICATION

Input Range: -36--72 Vdc

Input Current: 18A

GENERAL SPECIFICATION

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

SAFETY STANDARD APPAOVAL



OUTPUT SPECIFICATION

Ouput Voltage Regulation:

Ripple & Noise:

maximum +5Vdc output: +5.58 Vdc

+3.5 Vdc

minimum, + 6.82Vdc maximum

+3.3Vdc output :

minimum, + 4.5Vdc

+12Vdc output: +13.3 Vdc minimum, + 15.6Vdc

maximum

DC input -48V 5V 20ms **Output Rise Time:** Maximum

DC input -48V 3.3V 20ms

Maximum DC input -48V 12V 20ms

Maximum

3.3V:50mV p-p 5V:50mV p-p 12V1:120mV p-p -12V:120mV p-p 5Vsb:50mV p-p -5V:100mV p-p

20°C to + 80°C

ENVIRONMENTAL SPECIFICATION

TEMP.Range: Storage Temperature:

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

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	+3.3V	+5V	+12V1	-12V	-5V	+5Vsb			
Ripple-Noise(R-P) mV	50mV	50mV	5mV	120mV	100mV	50mV			
Regulation Load %	±5%	±5%	±5%	±10%	±5%	±5%			
Output Max.(A)	28A	40A	15A	0.8A	0.3A	2A			
Output Min.(A)	0.3A	0.3A	0.2A	0A	0A	0A			

NOTES

- 5V, 3.3V, 12V, -12V Will gave the regulation to 10% when all load take off. The +3.3V and +5V total output shall not exceed 235 watts.
- The +3.3V, +5V and 12V total output shall not exceed 380 watts
- The total output shall not exceed 400 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