



IPC PSU FSP400-60EVF

DESCRIPTION

FSP400-60EVF 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.

APPLICATION

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

FEATURES

- 80 Plus high efficiency
- Low Ripple & Noise
- 100% burn-in under high ambient temperature(50°C)
- 100% Hi-pot tested Complies with EN61000-3-2 AC input full range

WATTAGE

Wattage: 400W

DIMENSION

Dimension: 190mm(L) x 81.5mm(W) x 40.5mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: 80 Plus
Altitude: 2000M
PMBus: For standard, advanced server, NAS and industrial power system.

INPUT SPECIFICATION

Input Range: 90-264 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ 7.0 Amps-rms maximum
230V@ 3.5 Amps-rms maximum

GENERAL SPECIFICATION

Efficiency: 80% 230VAC
Voltage: +3.3V, +12V, +5V, +5SB: $\pm 5\%$
Regulation: -12V: $\pm 10\%$

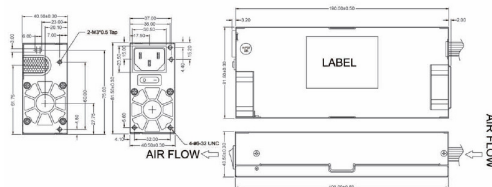
*Output Voltage and Current Rating

| | +3.3V | +5V | +12V1 | +12V2 | -12V | +5Vsb |
|-----------------------------|-----------|-----------|-----------|-----------|------------|-----------|
| Ripple-Noise(R-P) mV | 50mV | 50mV | 120mV | 120mV | 120mV | 50mV |
| Regulation Load % | $\pm 5\%$ | $\pm 5\%$ | $\pm 5\%$ | $\pm 5\%$ | $\pm 10\%$ | $\pm 5\%$ |
| Output Max.(A) | 16A | 19A | 16A | 16A | 0.3A | 2A |
| Output Min.(A) | 0.1A | 0.3A | 1A | 1A | 0A | 0A |

NOTES

- 5V, 3.3V, 12V, -12V Will have the regulation to 10% when all load take off.
- The +3.3V and +5V total output shall not exceed 105 watts.
- The 12V1 and 12V2 combined current shall not exceed 25A.
- 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



SAFETY STANDARD APPAOVAL



OUTPUT SPECIFICATION

Hold up Time: 115V/60Hz 17mSec.
Minimum@100% Load,
230V/50Hz 17mSec.
Minimum,@100% Load
+3.3Vdc output : +3.5 Vdc
minimum, + 4.3Vdc
maximum
+5Vdc output : +5.5 Vdc
minimum, + 7Vdc 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: 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: Storage Temperature: -
40°C to + 70°C
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