



Sparkle Power Inc.
A Leading Power Supply Manufacturer
Web site: www.sparklepower.com

IPC PSU FSP2000-A0AGPBI



FSP GROUP

DESCRIPTION

FSP2000-A0AGPBI is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 2000 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, especially high wattages 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.



SAFETY STANDARD APPROVAL



APPLICATION

For standard, advanced workstation, server 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
- 16 x PCI-E 6+2 PIN
- Internal 12 cm fan with 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: 2000W

DIMENSION

Dimension: 200mm(L) x 150mm(W) x 86mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: 80 Plus Platinum
Altitude: 5000M

INPUT SPECIFICATION

Input Range: 90-264 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ 19.0 Amps-rms maximum
230V@ 12.0 Amps-rms maximum

GENERAL SPECIFICATION

Efficiency: 94% @ 115V / 94% @ 230V
Voltage Regulation: +3.3V, +12V, +5V, +5Vsb: ±5%
-12V: ±10%

*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5Vsb
Ripple-Noise(R-P) mV	50mV	50mV	120mV	120mV	120mV	120mV	120mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±10%	±5%	±5%
Output Max.(A)	25A	25A	30A	30A	30A	30A	30A	0.5A	4A	4A
Output Min.(A)	0A	0.1A	0.2A	0.2A	0.2A	0.2A	0.2A	0.2A	0A	0A

NOTES

- Maximum continuous total DC output power should not exceed 2000W.
- Maximum continuous combined load on +3.3DC and +5VDC outputs shall not exceed 150W.
- Ripple and noise measurements shall be made under all specified load conditions through a single pole low pass filter with 20MHz cutoff frequency. Outputs shall bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

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

OUTPUT SPECIFICATION

Hold up Time:

115V/60Hz 17mSec.
Minimum@100% Load,
230V/50Hz 17mSec.

Output Voltage Regulation:

Minimum,@100% Load
+3.3Vdc output : +3.14 Vdc minimum, +3.47 Vdc maximum
+5Vdc output : +4.75 Vdc minimum, +5.25 Vdc maximum
+12Vdc output : +11.4 Vdc minimum, +12.6 Vdc maximum

Output Rise Time:

115V-rms/230V-rms 5V
20ms Maximum
115V-rms/230V-rms 12V
20ms Maximum
3.3V:50mV p-p
5V:50mV p-p
12V1:120mV p-p
-12V:120mV p-p
5Vsb:50mV p-p

Ripple & Noise:

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 input voltage

ENVIRONMENTAL SPECIFICATION

TEMP.Range:

Storage Temperature: -20°C to + 80°C

Sparkle Power Inc.
Main Office

48502 Kato Road,
Fremont CA 94538
TEL: 408-519-8888
FAX: 408-519-9999
E-MAIL: info@sparklepower.com

Sparkle Power Inc.
Los Angeles Office

17071 Green Drive
City of Industry, CA 91745
TEL: 626-839-7180
FAX: 626-839-3395