

IPC - 1U**FSP-MU Series (250W)****FEATURE**

- Full Range AC input design
- Build in Active PFC circuit
- Meet the harmonic with the EN61000-3-2
- Meet IEC 60601-1 and EMI EN55011 regulation

**SAFETY STANDARD APPROVAL****INPUT SPECIFICATION**

Input Voltage	90 ~ 265 Vac
Input Frequency	47 ~ 63 Hz
Input Current	Max. 4.0A at 115V: FSP250-70MU
Inrush Current	60A/115V and 100A/230V at 25°C cold start
Earth leakage current	Not exceed 0.3mA at 264Vac, 63Hz

OUTPUT SPECIFICATION

Output Voltage/ Current	See Product Series List
Output Regulation Load	+3.3V, +5V, +12V, +5VSB: $\pm 5\%$ -12V, -5V: $\pm 10\%$
Ripple and noise	+3.3V, +5V, +5VSB: 50mVp-p / +12V, -5V: 120mVp-p -12V: 150mVp-p
Over Voltage Protection	+3.3V output: +3.5V ~ +4.8V +5V output: +5.5V ~ +7.0V +12V output: +13.4V ~ + 15.8V
Short Circuit Protection	Output short circuit is defined to be a short circuit load of less than 0.1 ohm.
Hold Up Time	Min. 17mS at 115V/60Hz and 230V/50Hz

ENVIRONMENTAL

Operating Temperature	0°C~50°C
Storage Temperature	-20°C~80°C
Operating Humidity	85% RH, Non-condensing
Storage Humidity	95% RH, Non-condensing
MTBF	Min. 100,000 hours at Max. load and 25°C ambient predicted by MIL-HDBK-217

EMC & Safety

Safety Standard	IEC 60601-1
Emission	EN55011 and FCC Part 18 Subpart C

IPC - 1U

FSP-MU Series (250W)

PRODUCT SERIES LIST

Model Name	Total Output Watt.	Output Current													
		+3.3V		+5V		+12V1		+12V2		-12V		+5VSB		-5V	
		Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)
FSP250-70MU	250W	0.5	16.0	0.5	18.0	1.0	16.0	1.0	16.0	0.0	0.5	0.0	0.2	0	2.5

Note:

FSP250-70MU: The +12V1, +12V2, +5V and +3.3V total output shall not exceed 231W. The +12V1, +12V2 total output shall not exceed 17A. The +3.3V and +5V total output shall not exceed 110watts. Total output for this subject power supply is 250watts.

Mechanical Drawing

Dimension 190.0(L) x 100(W) x 40.5(H) mm

