FSP250-60PLN
250 WATT ACTIVE PFC PC POWER SUPPLY

P4 Ready

FEATURES

- Active PFC Circuit
- High efficiency
- Power factor correction (PFC) meet EN61000-3-2
- Internal 12 VDC fan included
- Low Ripple & Noise
- Complies with FCC part 15 subpart J class B 115 VAC operation and CISPR 22 class B 230 VAC operation
- Output over voltage protection
- Short circuit protection on all outputs
- MTBF above 50,000 hrs at 25°C
- 100% Hi-pot and ATE tested
- Resettable power shut down
- 100% burn-in under high ambient temp. (50° C)
- Approved by UL 1950, CSA C22.2 Level 3, IEC 950, VDE 0805, NEMKO (CB Report), and CE

GENERAL SPECIFICATIONS

Temperature Range:	Operating, 0° C to +50° C Storage, -20° C to +80° C
Temp. Coefficient:	0.01% / ° C
Transient Response:	Output voltage recovers in less than 1mS max. following a 25% load change
Hold-up Time:	17mS min. at full load & nominal input voltage
Dielectric Withstand:	Input to output 1800 VAC for 1 second, input to frame ground 1800 VAC for 1 second
Humidity:	95% RH
Efficiency:	68% min. measured at normal AC main voltage and frequency with maximum load on all outputs
Power Good Signal:	Turn-on delay 100mS to 500mS
Overload Protection:	150% maximum
Dimensions (mm):	86H x 150W x 140L

REMOTE ON/OFF CONTROL:

The power supply shall accept a logic open collector level which will disable/enable all the output voltages (exclude +5V standby). As logic level is low/high, output voltages are to be enabled/disabled.

INPUT SPECIFICATIONS

Voltage:	90 ~ 240 VAC full range
Frequency:	47Hz ~ 63Hz
Input Current:	5A (RMS) for 115 VAC; 2.5A (RMS) for 230 VAC
Inrush Current:	50A Max. for 115 VAC 80A Max for 230VAC

OUTPUT CHARACTERISTICS

Output Voltage	Output Current		Regulation		Ripple & Noise
	Minimum Load	Maximum Load	Load	Line	
*+3.3V	0.3A	20.0A	± 5 %	± 1 %	50mV
*+5V	0.1A	25.0A	± 5 %	± 1 %	50mV
*+12V	0.0A	13.0A	± 5 %	± 1 %	120mV
-5V	0.0A	0.3A	± 5 %	± 2 %	100mV
-12V	0.0A	0.8A	± 5 %	± 2 %	120mV
+5Vsb	0.0A	2.0A	± 5 %	± 1 %	50mV

* +3.3V & -5V optional
*Maximum power: 250W
*+3.3V and +5V total output shall not exceed 150watts.

Note: All data are subject to change without notice

FORTRON/SOURCE

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