



Active PFC

FSP460-60PFN

460 WATT ACTIVE PFC PC POWER SUPPLY

GENERAL SPECIFICATIONS

Temperature Range:	Operating, 0°C to +50°C Storage, -20°C to +65°C
Temp. Coefficient:	0.01%/°C
Transient Response:	Output voltage returns in less than 1mS max. at a 25% load change
Hold-up Time:	18mS min. at full load & nominal input voltage
Dielectric Withstand:	Input to frame ground 1800 VAC for 1 second
Humidity:	95% RH
Efficiency:	68% at minimum measured at nominal AC main voltage and frequency
Power Good Signal:	Power on delay time 100mS to 500mS, off delay 1mS min.
Overload Protection:	150% maximum
Over Voltage Protection:	+3.3V output: 4.5V +5V output: 6.5V +12V output: 14.5V
Dimensions (mm):	86H x 150W x 140L

FEATURES

- ◆ High efficiency
- ◆ Active PFC circuit meet EN6100-3-2
- ◆ Internal 12 VDC fan (ball bearing)
- ◆ Low noise and ripple
- ◆ Complies with FCC part 15 subpart J class B 115VAC operation and CISPR 22 class B 230VAC operation
- ◆ Output over voltage protection
- ◆ Short circuit protection on all outputs
- ◆ MTBF above 100,000 hrs. at 25° C
- ◆ 100% Hi-pot & 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)

INPUT SPECIFICATIONS

Voltage:	90 ~ 265 VAC, full range
Frequency:	47Hz ~ 63Hz
Input Current:	9A (RMS) @ 115VAC 5A (RMS) @ 230VAC
Inrush Current:	80A Max. for 115 VAC 120A Max for 230VAC

REMOTE ON/OFF CONTROL

The power supply shall accept logic open collector levels that will disable/enable all the output voltage (except +5V standby). As logic level is low/high, output voltages are enabled/disabled.

OUTPUT SPECIFICATIONS

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.4A	27.0A	± 5%	50mV
+5V	5.0A	29.0A	± 5%	50mV
+12V CPU	2.0A	16.5A	± 5%	120mV
+12V I/O	2.0A	15.0A	± 5%	120mV
-5V	0.0A	0.3A	± 10%	120mV
-12V	0.0A	0.8A	± 10%	120mV
+5Vsb	0.0A	2.0A	± 5%	50mV

*Maximum power: 460W

*+5V and +3.3V total output not exceed 200W

*+3.3, +5, and +12V total output power shall not exceed 440W

Note: All data are subject to change without notice

