



Active PFC

FSP200-601U

200 WATT ATX INDUSTRIAL POWER SUPPLY WITH PFC

INPUT SPECIFICATIONS

Voltage:	100 ~ 240 VAC
Frequency:	47Hz ~ 63Hz
Input Line Fuse:	Installed
Input Current:	5A/2.5A

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:	16mS minimum at full load & nominal input voltage
Dielectric Withstand:	Input to frame ground & input to output both 1800 VAC for 1 sec.
Humidity:	5 ~ 95% RH
Efficiency:	68% min., 70% typ., at full load
Power Good Signal:	Power on delay 100ms to 500ms, off delay 1ms
Overload Protection:	150% maximum
Inrush Current:	40A (50A max) for 115 VAC; (+25° C cold start)
Overvoltage Protection:	50A (80A max) for 230 VAC +5V output, 6V ± 0.5V +3.3V output, 4V ± 0.5V
Fan Noise Killer:	Optional
Dimension (mm):	40H x 84W x 220L

FEATURES

- ◆ Active PFC Circuit
- ◆ High efficiency
- ◆ Meet Energy Star
- ◆ Low ripple and noise
- ◆ Output overvoltage protection
- ◆ Short circuit protection on all outputs
- ◆ Re-settable power shut down
- ◆ Approved by UL, CSA, TÜV, NEMKO, CB and CE
- ◆ Internal 12 VDC ball bearing fan
- ◆ Power factor correction > 0.95 at 100 VAC
- ◆ Complies with FCC part 15 subpart J Class B at 115 VAC & CISPR 22 at 230 VAC operation
- ◆ 100% burn-in under high ambient temp. (50° C)
- ◆ Vacuum-impregnated transformer
- ◆ MTBF: 100K
- ◆ 100% Hi-pot tested
- ◆ Line input fuse protection
- ◆ Full range 100 ~ 240VAC

Remote On/Off Control:

The power supply shall accept a logic collector level which will disable/enable all output voltage (except +5V standby)



OUTPUT SPECIFICATIONS

Output Voltage	Output Current		Regulation		Ripple/Noise P-P (max.)
	Minimum	Maximum	Load	Line	
*+3.3V	0.3A	14.0A	± 5%	± 5%	50mV
+5V	2.0A	20.0A	± 5%	± 1%	50mV
+12V	0.2A	6.0A	± 5%	± 1%	120mV
*-5V	0.0A	0.3A	± 5%	± 1%	100mV
-12V	0.05 / 0.0A	0.8A	±10% / ±5%	± 2%	120mV
+5Vsb	0.0A	1.0 / 2.0A	± 5%	± 1%	100mV

* +3.3V & -5V optional

Output for +3.3V & +5V shall not exceed 120 watts and the total output 200 watts

Note: All data are subject to change without notice.

