



Active PFC

FSP350-601U

300 WATT ATX INDUSTRIAL POWER SUPPLY WITH PFC

INPUT SPECIFICATIONS

Voltage:	90-264 VAC, full range
Frequency:	47-63 Hz
Input Current:	6A (RMS) @115VAC, 3A (RMS) @230VAC
Inrush Current:	60A Max. for 115 VAC, 90A Max for 230VAC

FEATURES

- ◆ High efficiency
- ◆ Active PFC circuit
- ◆ Power factor correction (PFC)>0.95@100VAC
- ◆ Internal 12 VDC fan included (Ball Bearing)
- ◆ Low noise and ripple
- ◆ Complies with FCC part 15 subpart J class B 115VAC operation and CISPR 22 class B 230 VAC operation
- ◆ Output over voltage protection
- ◆ Short circuit protection on all outputs
- ◆ MTBF above 100,000 hrs. at 25° C
- ◆ 100% Hi-pot & ATE tested
- ◆ Short circuit protection on all outputs
- ◆ 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 60950, TUV EN60950, CE

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.

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 minimum at full load & nominal input voltage
Dielectric Withstand:	Input to frame ground 1800 VAC for 1 sec.
Humidity:	95% RH
Efficiency:	65% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
Power Good Signal:	Power on delay time 100ms to 500ms, off delay 1ms minimum
Overload Protection:	150% maximum
Dimension (mm):	40.5H x 100W x 220L

OUTPUT SPECIFICATIONS

Output Voltage	Output Current		Regulation		Ripple/Noise P-P (max.)
	Minimum	Maximum	Load	Line	
*+3.3V	0.3A	20A	±5%	±1%	50mV
+5V	2.0A	25A	±5%	±1%	50mV
+12V	1.0A	20A	±5%	±1%	120mV
*-5V	0A	0.3A	±5%	±2%	100mV
-12V	0A	0.8A	±10%	±2%	120mV
+5Vsb	0A	2.0A	±5%	±1%	100mV

*Maximum power: 350W
 *+5V and +3.3V total output not exceed 157W
 *+5V, +3.3V, and +12V total out put power shall not exceed 330W

Note: All data are subject to change without notice.



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