Active PFC

FSP300-601U

300 WATT ATX INDUSTRIAL POWER SUPPLY WITH PFC

FEATURES

- High efficiency
- Active PFC circuit
- Power factor correction (PFC)>0.95@100VAC
- Internal 12 VDC fan included
- 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 50,000 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 60950, TUV EN60950, NEMKO (CB Report)

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

Input Range:	95-132/180-264 VAC, Switch-select
Frequency:	47Hz ~ 63Hz
Input Current:	9A RMS @ 115VAC 5A RMS @ 230VAC
Inrush Current:	60A Max. for 115VAC 90A Max. for 230VAC

GENERAL SPECIFICATIONS

Temperature Range:	Operating, 0°C to +80°C Storage, -20°C to +50°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:	68% at full load
Power Good Signal:	Power on delay time 100ms to 500ms, off delay 1ms minimum
Overload Protection:	150% maximum
Dimension (mm):	41H x 100W x 205L

OUTPUT SPECIFICATIONS

Output Voltage	Minimum	Maximum	Load	Line	Ripple/Noise
+3.3V	0.3A	20A	±5%	±1%	50mV
+5V	2A	25A	±5%	±1%	50mV
+12V	0.2A	16A	±5%	±1%	120mV
-5V	0A	0.3A	±5%	±1%	100mV
-12V	0A	0.8A	±10%	±2%	120mV
+5Vsb	0A	2A	±5%	±1%	100mV

*Maximum power: 300W
*+5V and +3.3V total output max not exceed 157W
* 3.3V &+5V &+12V total output not exceed 280W

Note: All data are subject to change without notice.

FORTRON/SOURCE

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