Sparkle Power Inc.
A Leading Power Supply Manufacturer
Web site: www.sparklepower.com

FSP300-60PLN

300 Watts ATX12V Switching Power Supply

Features

- Complied with ATX and ATX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- Low noise and ripple
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Complies with FCC part 15 subpart J class B, and CISPR 22 class B
- Approved by CUL/UL60950-1,TUV EN60950-1, NEMKO EN60950-1 (CB Report), CE ,CCC,FCC,EMC

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +80°C
- **Humidity:** 95% on operating & storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1sec
- **Efficiency:** 65% minimum measured at nominal AC main voltage and frequency with maximum load on all outputs
- **Rise time:** Less than 20ms
- **Hold-up Time:** 17ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Not exceed 0.75mA at 115Vac/60Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 140x150x86mm / 5.5x5.9x3.4in

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 6A (RMS) @ 115Vac, 3A (RMS) @ 230Vac
Inrush Current: Max 60A @ 115Vac, 90A @ 230Vac at cold start

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Peak Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.3A	28A		± 5%	± 1%	50mV P-P
+5V	0.1A	30A		± 5%	± 1%	50mV P-P
+12V	0.0A	15A	18A	± 5%	± 1%	120mV P-P
-5V	0.0A	0.3A		± 5%	± 2%	100mV P-P
-12V	0.0A	0.8A		± 5%	± 2%	120mV P-P
+5Vsb	0.0A	2.0A	2.5A	± 5%	± 1%	100mV P-P

*+3.3V and +5V total output not exceed 180W
*+3.3V, +5V, and +12V total output cannot exceed 280W

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