



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



SPT300PFB

(RoHS Compliant)

300 Watts AT Switching Power Supply

Features

- Complied with AT 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
- 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 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by UL,CSA22.2 NO or CUL 60950-1, TUV or VDE, EMC,FCC ,CE, CB report.

Specification

- **Temperature Range:** Operating: -30°C ~ +50°C; storage & shipping: -20°C ~ +80°C
- **Humidity:** 5 ~ 95% on operating, 5 ~ 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** 75% minimum, typical up to 80%
- **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:** Less than 3.5mA at 264Vac,50Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 140x150x86mm /5.5x5.9x3.4inch

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input
Frequency: 50 ~ 60Hz
Input Current: Max 7A (RMS) @ 115Vac, 3A (RMS) @ 230Vac
Inrush Current: No damage

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+5V	2.0A	20A	40A	± 5%	50mV P-P
+12V	1.0A	7.5A	15A	± 5%	120mV P-P
-5V	0.0A	0.15A	0.3A	± 10%	50mV P-P
-12V	0.0A	0.4A	0.8A	± 10%	120mV P-P

*+5V and +12V total output not exceed 290W

* Total output for this subject power supply is 300W

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