



Sparkle Power Inc.

A Leading Power Supply manufacturer
Web site: www.sparklepower.com



SPI-300G

300 Watts Mini AT/PS2 Switching Power Supply

Features

- Complied with AT standard
- High efficiency and reliability
- Internal 12V DC fan included
- Low noise and ripple
- Complies with FCC part 15 subpart J class B and CISPR 22 Class B
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Approved by UL 1950, CSA C22.2 Level 3, TUV EN60950

Specification

- **Temperature Range:** Operating 0° C ~ +50° C on full load; storage & shipping -20° C ~ +65° C
- **Humidity:** 90% on operating and 95% on storage
- **Dielectric Withstand:** Primary to frame ground 1800V AC for 1 second
- **Efficiency:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
- **Rise Time:** Less than 100ms on all outputs
- **Hold-up Time:** 16.6ms minimum at nominal input voltage
- **MTBF:** 50,000 hours on maximum load at +40° C degree
- **Dimension (WxHxL):** 150x86x140mm/5.9"x3.4"x5.5" inches

Input Characteristics

Input Range: 95~132/180~264V AC, Manual-select

Frequency: 47~63Hz

Input Current: 6A (RMS) @115V AC, 3A (RMS) @230VAC

Inrush Current: 55A Max for 132V AC Cold Start

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+5V	3.0A	30.0A	± 5%	± 1%	50mV P-P
+12V	1.0A	12.0A	± 5%	± 1%	120mV P-P
-5V	0.0A	0.5A	± 10%	± 2%	150mV P-P
-12V	0.0A	0.5A	± 10%	± 2%	150mV P-P

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