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

SPI-250G (RoHS Compliant)

250 Watts 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 UL60950-1, CSA C22.2 NO. 60950-1

Input Characteristics

Input Range: 90 ~ 132/180~264Vac (RMS), Manual Select

Frequency: 47 ~ 63Hz

Input Current: 7A (RMS) @115Vac, 4A (RMS) @230Vac

Inrush Current: 40A Max @132Vac cold start

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +65°C
- **Humidity:** 90% on operating and 95% storage
- **Dielectric Withstand:** Input to frame ground 1800 VAC for 1 second
- **Efficiency:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all outputs
- **Rise time:** Less than 100mS on all Outputs
- **Hold-up Time:** 16.6ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **MTBF:** 50,000 hours on maximum load at +40°C
- **Dimensions (LxWxH):** 140x150x86mm/5.5x5.9x3.4in

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+5V	3A	26A	± 5%	± 1%	50mV P-P
+12V	1A	9A	± 5%	± 1%	120mV P-P
-5V	0A	0.5A	± 10%	± 2%	150mV P-P
-12V	0A	0.5A	± 10%	± 2%	150mV P-P

* This subject power supply is 250W

Sparkle Power Inc.
Main Office
1000 Rock Avenue
San Jose, CA 95131
TEL: 408-519-8888
FAX: 408-519-9999
E-MAIL: info@sparklepower.com

Sparkle Power Inc.
Los Angeles Office
17071 Green Drive
City of Industry, CA 91745
TEL: 626-839-7180
FAX: 626-839-3395

Sparkle Power Inc.
Colorado Office
1316 Indian Paintbrush Lane
Longmont, CO 80503
TEL: 303-776-3281
FAX: 303-776-7645