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



FSP250-50GHS

(80Plus Standard, RoHS Compliant)

250 Watts SFX Power Supply

Features

- Complied with SFX12V standard
- 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 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by CUL/UL60950-1, TUV EN60950-1,CB 60950-1 report, FCC,EMC.

Specification

- **Temperature Range:** Operating: +0°C ~ +50°C on full load
  Storage & Shipping: -20°C ~ +80°C
- **Humidity**: 5-95% RH (non-condensing) on operating & on storage
- **Dielectric Withstand:** Primary to frame ground 1800V_{AC} for 1 second
- **Rise time:** Less than 20ms
- **Hold-up Time:** 17 m sec. minimum
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):**100x125x63.5mm / 3.94x4.92x2.5inch

Input Characteristics

Input Range: 115Vac ~ 230Vac,
Frequency: 47 ~ 63Hz
Input Current: Max 3A @ 115Vac, 1.5A @ 230Vac
Inrush Current: No damage.

Output Characteristics

Output	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	PEAK LOAD	LOAD REG	LINE REG.	RIPPLE & NOISE
+3.3V	0.5A	8A	16A		±5%	±1%	70mV P-P
+5V	0.3A	10A	20A		±5%	±1%	70mV P-P
+12V1	1A	6.5A	13A		±5%	±1%	140mV P-P
+12V2	1A	6.5A	13A	18A	±5%	±1%	140mV P-P
-12V	0A	0.25A	0.5A		±10%	±1%	140mV P-P
+5VSB	0A	1A	2.5A	3A	±5%	±1%	70mV P-P

* +3.3V & +5V total output does not exceed 115W
* Total output continuous shall not exceed 250 watts
* +12V2 peak current is 18A (less than 10m sec) minimum voltage during peak is >10.8V_{DC}
* 5V_{SB} peak current is 3A (less than 500m sec) Minimum voltage during peak is >4.5 V_{DC}

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