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



FSP200-50SNT

(RoHS Compliant)

200 Watts TFX Power Supply

Features

- Complied with TFX12V 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 ~ +25°C on full load
  Storage & Shipping: -20°C ~ +80°C
- **Humidity**: 5-95% on operating, 5-95% on storage
- **Dielectric Withstand:** Primary to frame ground 1800V_{AC} for 1 second
- **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):**175x85x70mm / 6.9x3.4x2.8inch

Input Characteristics

Input Range: 115Vac and 230Vac,
Frequency: 47 ~ 63Hz
Input Current: Max 6.5A @ 115Vac, 4A @ 230Vac
Inrush Current: No damage.

Output Characteristics

Output	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	LOAD REG.	LINE REG.	RIPPLE&NOISE
+3.3V	0.1A	6.5A	13A	±5%	±1%	70mV P-P
+5V	0.2A	7A	14A	±5%	±1%	70mV P-P
+12V	0.6A	7A	14A	±5%	±1%	140mV P-P
-12V	0A	0.15A	0.3A	±10%	±1%	140mV P-P
+5VSB	0A	1A	2A	±5%	±1%	70mV P-P

* +3.3V & +5V total output does not exceed 80W
* Total output continuous shall not exceed 200W

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