



Sparkle Power Inc.

A Leading Power Supply Manufacturer

Web site: www.sparklepower.com

SPI400W7BB

(80PLUS, RoHS Compliant)

400 Watts ATX12V, 2U

Switching Power Supply

Features

- Complied with ATX12V/ EPS12V 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/CUL60950-1 2nd TUV EN60950-1 2nd, CB 60950-1 2nd, FCC, EMC

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input

Frequency: 47 ~ 63Hz

Input Current: Max 6.3A @ 115Vac, 3.0A @ 230Vac

Inrush Current: No Damage

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.3A	9A	18A	± 5%	50mV P-P
+5V	0.3A	10A	20A	± 5%	50mV P-P
+12V1	0.5A	8A	16A	± 5%	120mV P-P
+12V2	0.5A	8A	16A	± 5%	120mV P-P
-12V	0.0A	0.25A	0.5A	± 10%	120mV P-P
+5Vsb	0.0A	1.5A	3A	± 5%	50mV P-P

*+3.3V and +5V total output not exceed 140W

* Total output for this subject power supply is 400W

Sparkle Power Inc.

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Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +80°C
 - **Humidity:** 85% on operating, 95% on storage
 - **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
 - **Efficiency:** Typical over 85%
 - **Rise time:** Less than 20ms
 - **Hold-up Time:** 16 ms 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):** 200x100x70mm /7.87x3.9x 2.7 inch