



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

SPI350MB
(80PLUS, RoHS Compliant)
330/350 Watts SFX12V Switching Power Supply



Features

- Complied with SFX12V 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, CSA22.2 NO or CUL 60950-1, TUV or VDE, EMC, FCC, CE, CB report

Specification

- **Temperature Range:** Operating 0° C ~ +50° C on 330W output load or ,0° C ~ +35° C on 350W output 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:** 80% minimum, typical up to 87%
- **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):** 125x100x68.3mm/5x4x2.7inch

Input Characteristics

Input Range: 90 ~ 265Vac , Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 6A @ 115Vac, 3A @ 230Vac
Inrush Current: 80A @ 115Vac, 120A @ 230Vac at cold start

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.3A	10A	20A	± 5%	50mV P-P
+5V	0.5A	10A	20A	± 5%	50mV P-P
+12V1	0.5A	6A	12A	± 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	1.25A	2.5A	± 5%	50mV P-P

*330W (50°C): +3.3V and +5V total output not exceed 150W, +3.3V, +5V, and +12V total output cannot exceed 312W. Total output for this subject power supply is 330W(50°C)
 *350W (35°C): +3.3V and +5V total output not exceed 150W, +3.3V, +5V, and +12V total output cannot exceed 332W. Total output for this subject power supply is 350W(35°C)

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