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

SPI350U4BM8

(80PLUS, RoHS Compliant)

350 Watts ATX12V 1U Medical Grade Power Supply



Features

- Complied with ATX12V 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
- 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 18 Subpart C 120Vac operation, and EN60601-1-2, EN55011,230Vac operation
- Approved by UL/CUL 60601-1,VDE EN60601-1,CB, FCC, CE,EMC

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 6A (RMS) @115Vac, 3A (RMS) @230Vac
Inrush Current: No damage.

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C; storage & shipping: -20°C ~ +80°C
- **Humidity**: 85% on operating, 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- **Efficiency:** Typical up to 80%
- **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 0.3mA at 264Vac, 63Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 190x100x40.5mm /74.8x39.4x16inch

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.5A	8A	16A	± 5%	50mV P-P
+5V	0.5A	9A	18A	± 5%	50mV P-P
+12V1	1.0A	8A	16A	± 5%	120mV P-P
+12V2	1.0A	8A	16A	± 5%	120mV P-P
-12V	0.0A	0.25A	0.5A	± 10%	150mV P-P
-5V	0.0A	0.1A	0.2A	± 10%	120mV P-P
+5Vsb	0.0A	1.25A	2.5A	± 5%	50mV P-P

* +3.3V and +5V total output not exceed 130W
* +12V1 and +12V2 and +5V and +3.3V total output shall not exceed 331W
* Maximum combined current for the 12V outputs shall be 24A
* Total output for this subject power supply is 350W

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