



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

SPI350ACA8
(80 PLUS, RoHS Compliant)
350 Watts, ATX Switching 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 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by UL/CUL 60950-1, EN60950-1 (CB Report) CE, FCC, EMC report

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 5.0A @ 115Vac, 2.5A @ 230Vac
Inrush Current: No damage.

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.5A	12.52A	21A	± 5%	50mV P-P
+5V	0.3A	8.94A	15A	± 5%	50mV P-P
+12V1	0.5A	10.44A	16A	± 5%	120mV P-P
+12V2	0.5A	10.44A	16A	± 5%	120mV P-P
-12V	0.0A	0.25A	0.3A	± 10%	200mV P-P
+5Vsb	0.0A	2.09A	2.5A	± 5%	50mV P-P

* +3.3V and +5V total output not exceed 103W

* When +5V is load to 15A, the +3.3V maximum load is 8.48A, when +3.3V is load to 21A, the +5V maximum load is 6.74A

* +12V1 & +12V2 total output not exceed 300W



Specification

- **Temperature Range:** Operating: 0°C ~ +25°C; storage & shipping: -40°C ~ +70°C
- **Humidity:** 85% on operating, 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** 82% minimum.
- **Rise time:** Less than 20ms
- **Hold-up Time:** 16ms 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):** 140x150x86mm / 5.5x5.9x3.4 inch

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