



**Sparkle Power Inc.**  
 A Leading Power Supply Manufacturer  
 Web site: [www.sparklepower.com](http://www.sparklepower.com)

## SPI270LE2

**(80 plus, RoHS Compliant)**

**270 Watts FLEX ATX Power Supply**

### Features

- Complied with Flex ATX and 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 CUL/UL60950-1, TUV EN60950-1, NEMKO EN60950-1 (CB Report) CE ,BSMI ,FCC

### Input Characteristics

**Input Range:** 90 ~ 264Vac , Full Range Input

**Frequency:** 47 ~ 63Hz

**Input Current:** Max 5A @ 115Vac, 3A @ 230Vac

**Inrush Current:** No damage .

### 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         | 5A          | 10A          | ± 5%      | 100mV P-P      |
| -12V           | 0.0A         | 0.4A        | 0.8A         | ± 10%     | 120mV P-P      |
| +5Vsb          | 0.0A         | 1.25A       | 2.5A         | ± 5%      | 50mV P-P       |

\* +12V1 and +12V2 total output shall not exceed 18 A.

\* +3.3V and +5V total output not exceed 130W

\* Total output for this subject power supply is 270W

#### **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:** 5~90% on operating, 5~ 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 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 3.5mA at 264Vac, 50Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 150x81.5x40.5mm /6x3.2x1.6inch

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