



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



## **SPI150F4BN**

**(RoHS Compliant)**

**150 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 UL/CUL 60950-1,CB,CE ,FCC,EMC report

### **Input Characteristics**

**Input Range:** 90 ~ 264Vac (RMS), Full Range Input

**Frequency:** 47 ~ 63Hz

**Input Current:** Max 3A (RMS) @ 115Vac, 1.5A (RMS) @ 230Vac

**Inrush Current:** No damage.

### **Output Characteristics**

| Output Voltage | Minimum Load | Normal Load | Maximum Load | Load Reg. | Ripple & Noise |
|----------------|--------------|-------------|--------------|-----------|----------------|
| +3.3V          | 0.3A         | 5A          | 10A          | ± 5%      | 50mV P-P       |
| +5V            | 0.3A         | 6.5A        | 13A          | ± 5%      | 50mV P-P       |
| +12V           | 1.0A         | 5A          | 10A          | ± 5%      | 120mV P-P      |
| -12V           | 0.0A         | 0.15A       | 0.3A         | ± 10%     | 120mV P-P      |
| +5Vsb          | 0.0A         | 1.00A       | 2.0A         | ± 5%      | 50mV P-P       |

\* +3.3V and +5V total output not exceed 85W.

\* +3.3V , +5V and +12V total output shall not exceed 150W.

\* Total output for this subject power supply is 150W

### **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 1 second
- **Efficiency:** 72% minimum.
- **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

**Sparkle Power Inc.**  
**Main Office**  
 1000 Rock Avenue  
 San Jose, CA 95131  
 TEL: 408-519-8888  
 FAX: 408-519-9999  
 E-MAIL: [info@sparklepower.com](mailto:info@sparklepower.com)

**Sparkle Power Inc.**  
**Los Angeles Office**  
 17071 Green Drive  
 City of Industry, CA 91745  
 TEL: 626-839-7180  
 FAX: 626-839-3395