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



SPI150TNH (Fanless)
(Active PFC, RoHS Compliant)
150 Watts TFX Power Supply

Features

- Complied with Flex ATX and AFX12V 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
- 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,CB 60950-1 report, FCC,EMC.

Specification

- **Temperature Range:** Operating: +0°C ~ +35°C on full load
  Storage & Shipping: -20°C ~ +80°C
- **Humidity**: 5-95% on operating, 5-95% on storage
- **Dielectric Withstand:** Primary to frame ground 1800V_{AC} for 1 second
- **Efficiency:** Typical over 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

Input Characteristics

Input Range: 115Vac and 264Vac,
Frequency: 47 ~ 63Hz
Input Current: Max 2.5A @ 115Vac, 1.5A @ 230Vac
Inrush Current: No damage.

Output Characteristics

Output	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	PEAK LOAD	LOAD REG	LINE REG	RIPPLE&NOISE
+3.3V	0.5A	3A	6.0A		±5%	±1%	60mV P-P
+5V	0.3A	3A	6.0A		±5%	±1%	60mV P-P
+12V	0.5A	4A	8.8A		±5%	±1%	130mV P-P
-12V	0.0A	0.1A	0.3A		±10%	±1%	130mV P-P
+5VSB	0.0A	1.0A	1.5A	2A	±5%	±1%	60mV P-P

* +3.3V & +5V total output does not exceed 43W
* Total output for this subject power supply is 150watts

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