

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: $+0^{\circ}\text{C} \sim +35^{\circ}\text{C}$ 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

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

Sparkle Power Inc. Los Angeles Office

17071 Green Drive City of Industry, CA 91745 TEL: 626-839-7180

FAX: 626-839-3395