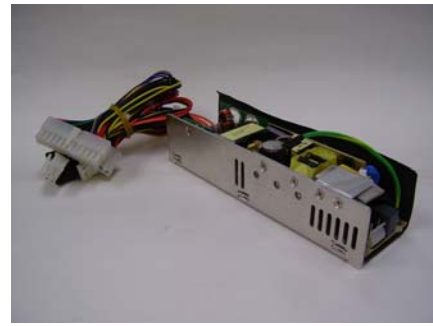




Sparkle Power Inc.
 A Leading Power Supply Manufacturer
 Web site: www.sparklepower.com

FSP150-50LM
(OPEN FRAME, RoHS Compliant)
150 Watts Open Frame ATX Power Supply



Features

- Complied with ATX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Low ripple and noise.
- 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 2nd TUV EN60950-1 2nd, CB 60950-1 2nd, FCC, EMC

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 4.0A(RMS) @ 115Vac, 2.0A(RMS) @ 230Vac
Inrush Current: No damage at cold start

Output Characteristics

| Output Voltage | Minimum Load | Maximum Load | Load Reg. | Ripple & Noise |
|----------------|--------------|--------------|-----------|----------------|
| +3.3V | 0.3A | 8A | ± 5% | 50mV P-P |
| +5V | 0.5A | 10A | ± 5% | 50mV P-P |
| +12V | 1.0A | 10A | ± 5% | 120mV P-P |
| -12V | 0A 0. | 3A | ± 10% | 120mV P-P |
| +5Vsb | 0A | 2.0A | ± 5% | 50mV P-P |

*+3.3V and +5V total output not exceed 60W
 * Total output for this subject power supply is 150W

Specification

- **Temperature Range:**
 Storage & shipping: -20°C ~ +80°C
 Operating: 0°C ~ 35°C (150W/35°C, 120W/50°C, 80W/60°C)
 A moderate air flow minimal of 5 CFM, is necessary for power supply to meet thermal requirement at full load condition.
- **Humidity:** Operation: 90% RH, Non-condensing.
 Storage: 95% RH, Non-condensing.
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- **Efficiency: Full load > 82%**
- **Meet ErP:** 5Vsb power is less than 1W input at power off mode (PS_ON input at high state)
- **Rise time:** Less than 20ms
- **Hold-up Time:** 15ms 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):** 180x50x42mm / 7.08x1.97x1.65inch

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