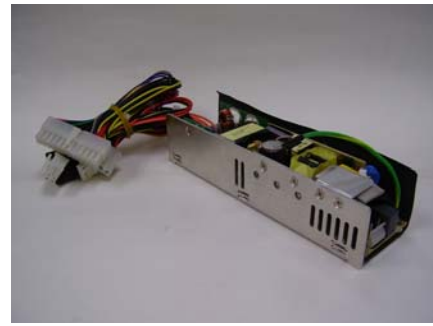




**Sparkle Power Inc.**  
 A Leading Power Supply Manufacturer  
 Web site: [www.sparklepower.com](http://www.sparklepower.com)

**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 2<sup>nd</sup> TUV EN60950-1 2<sup>nd</sup>, CB 60950-1 2<sup>nd</sup>, 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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