

Sparkle Power Inc. A Leading Power Supply Manufacturer Web site: <u>www.sparklepower.com</u>

FSP1200-50AAG (80PLUS Gold, RoHS Compliant) 1200 Watts ATX12V Switching Power Supply

Features

- Complied with ATX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer
- 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 2nd TUV EN60950-1 2nd, CB 60950-1 2nd report, FCC, EMC

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input Frequency: 47 ~ 63Hz Input Current: Max 16A(RMS) @ 115Vac, 8A(RMS) @ 230Vac Inrush Current: No damage at cold start





Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +80°C
- Humidity: Operation : 10~90% RH, Non-condensing. Storage : 95% RH, Non-condensing.
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- Efficiency: Typical > 90%
- 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: 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): 190x150x86mm / 7.48x5.9x3.4inch

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0A	30A	± 5%	50mV P-P
+5V	0.1A	30A	± 5%	50mV P-P
+12V	0.2A	100A	± 5%	120mV P-P
-12V	0A	0.8A	$\pm 10\%$	120mV P-P
+5Vsb	0A	4.0A	± 5%	50mV P-P

*+3.3V and +5V total output not exceed 150W

* Total output for this subject power supply is 1200W

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