

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

FSP220-50LH (80PLUS Silver, RoHS Compliant) 220 Watts Flex ATX Switching Power Supply

Features

- Complied with Flex ATX 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
- Internal 12V DC fan included
- 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 : UL/CUL60950-1 2nd TUV EN60950-1 2nd, CB 60950-1 2nd , FCC, EMC

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input Frequency: 47 ~ 63Hz Input Current: Max 4A @ 115Vac, 2A @ 230Vac Inrush Current: No Damage

Output Characteristics





Specification

- Temperature Range: Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +80°C
- Humidity: 85% on operating, 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- Efficiency: Typical > 88%
- Rise time: Less than 20ms
- Hold-up Time: 16 ms 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

/ 5.9x3.2x 1.6inch

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.1A	5A	10A	$\pm 5\%$	50mV P-P
+5V	0.2A	7A	14A	$\pm 5\%$	50mV P-P
+12V	0.6A	7A	14A	$\pm 5\%$	120mV P-P
-12V	0A	0.15A	0.3A	$\pm 10\%$	120mV P-P
+5Vsb	0A	1.25A	2.5A	± 5%	50mV P-P

*+3.3V and +5V total output not exceed 80W * Total output for this subject power supply is 220W

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