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

FSP200-60GNV-5K (Active PFC & RoHS Comliant)

200 Watts SFX12V Switching Power Supply (5km Altitude)

Features

- Complied with SFX and SFX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- Low noise and ripple
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Approved by UL60950-1, TUV EN60950-1
  CB Report IEC 60950-1, CE

Input Characteristics

Input Range: 90 ~ 265Vac (RMS), Full Range Input

Frequency: 47 ~ 63Hz

Input Current: 4A (RMS) @115Vac, 2A (RMS) @230Vac

Inrush Current: No damage, typical 80A Max at cold start

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +80°C
- **Humidity:** 5 ~ 95% on operating and storage
- **Dielectric Withstand:** Input to frame ground 1800 VAC for 1 second
- **Efficiency:** 70% at light load and 75% at typical load and full load
- **Rise time:** Less than 20ms (5Vsb less than 25ms)
- **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:** Not exceed 3.5mA
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 130x125x63.5mm/5.1x5x2.5inch

Output Characteristics

Output	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	PEAK LOAD	LOAD REG	LINE REG	RIPPLE & NOISE
+3.3V	0.5A	7.5A	15A		±5%	±1%	70mV P-P
+5V	0.3A	7A	14A		±5%	±1%	70mV P-P
+12V1	1A	7A	14A	16A	±5%	±1%	140mV P-P
+12V2	1A	7A	14A	16A	±5%	±1%	140mV P-P
-12V	0A	0.1A	0.3A		±10%	±1%	140mV P-P
+5VSB	0A	1A	2A	2.5A	±5%	±1%	70mV P-P

*+5V and +3.3V total output not exceed 100W
*+12V1 peak current is 16A (less than 17m sec), minimum voltage during peak is >10.8VDC.
*+12V2 peak current is 16A (less than 17m sec), minimum voltage during peak is >10.8VDC.
*5Vsb peak current is 2.5A (less than 500m sec), minimum voltage during peak is >4.5VDC.

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