Sparkle Power Inc.

A Leading Power Supply manufacturer
Web site: www.sparklepower.com



FSP200-60MD (Medical Grade)

200 Watts ATX Switching Power Supply

Features

- Complied with ATX standard
- 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 and CISPR 22 Class B
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Approved by UL 2601, VDE, CB Report

Specification

- **Temperature Range:** Operating 0° C ~ +50° C on full load; storage & shipping -20° C ~ +65° C
- **Humidity:** 90% on operating and 95% on storage
- **Dielectric Withstand:** Primary to frame ground 1800V AC for 1 second
- **Efficiency:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
- **Rise Time:** Less than 20ms on all output
- **Hold-up Time:** 16.6ms minimum at 115V/60Hz; 20ms minimum at 230V/50Hz input voltage
- **Power Good Signal:** Power on delay time 100 ms to 500 ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 0.5mA at 254V AC/50Hz
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x140mm/5.9”x3.4”x5.5” inches

Input Characteristics

Input Range: 90~132/180~264V AC, Manual-select
Frequency: 47~63Hz
Input Current: 6A (RMS) @115V AC, 3A (RMS) @230VAC
Inrush Current: 50A Max for 132V AC Cold Start

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.2A	6/14A	± 5%	± 1%	50mV P-P
+5V	1.5A	18/12.8A	± 5%	± 1%	50mV P-P
+12V	0.0A	6A	± 5%	± 1%	120mV P-P
-5V	0.0A	0.3A	± 10%	± 2%	120mV P-P
-12V	0.0A	0.5A	± 10%	± 2%	120mV P-P
+5Vsb	0.0A	2.0A	± 5%	± 1%	50mV P-P

*+5V and +3.3V total output not exceed 110W
*When +3.3V is load to 14A, the +5V maximum load is 12.8A
*When +3.3V is load to 6A, the +5V maximum load is 18A
*+3.3V, +5V, and +12V total output not exceed 182W

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