



Sparkle Power Inc.

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



FSP600-60BR3

540 Watts N+1 Redundant Switching Power Supply

Features

- Complied with EPS12V standard
- Hot swappable N+1 redundant
- Active Power Factor Correction Meeting with EN61000-3-2
- High efficiency and reliability
- Remote On/Off function
- Internal 12V DC fan included on each module
- 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
- LED Indicator, PS failure signal, and Fan failure signal
- +3.3V, +5V, and +12V Remote Sensing
- Approved by cUL/UL 60950, TUV EN60950, NEMKO EN60950 (CB Report), CE

Specification

- **Temperature Range:** Operating +5° C ~ +40° C on full load; storage & shipping -10° C ~ +50° C
- **Humidity:** 90% on operating and 95% on storage
- **Dielectric Withstand:** Input to frame ground 1800V AC for 1 second
- **Efficiency:** 65% typical measured at 115V AC main voltage and frequency full load
- **Rise Time:** 50ms maximum
- **Hold-up Time:** 20ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ms to 500 ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Not exceed 3.5mA at nominal input
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x290mm/5.9"x3.4"x11.4" inches

Input Characteristics (On each Module)

Input Range: 90~264V AC, Full Range Input

Frequency: 47~63Hz

Input Current: 6A (RMS) @115V AC, 3A (RMS) @230V AC

Inrush Current: Comply with EN 61000-3-3

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0A	40.0A	±5%	± 1%	50mV P-P
+5V	3.3A	50.0A	±5%	± 1%	50mV P-P
+12V	2.2A	32.0A	±5%	± 1%	120mV P-P
-5V	0.0A	0.6A	± 10%	± 1%	100mV P-P
-12V	0.0A	1.6A	± 10%	± 1%	150mV P-P
+5Vsb	0.0A	4.0A	±5%	± 1%	50mV P-P

*+5V and +3.3V total output shall not exceed 282W

*+5V, +12V and +3.3V total output shall not exceed 502W

* Total output power shall not exceed 540W

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