



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



FSP600-80UEPB
(80PLUS Platinum, RoHS Compliant)
600 Watts PM Bus, 1U Switching Power Supply

Features

- Power Management Bus (PM Bus)
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency 80plus Platinum and reliability
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances II).
- 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, CE

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 10A @ 115Vac, 5A @ 230Vac
Inrush Current: No Damage

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.1A	25A	± 5%	50mV P-P
+5V	1A	25A	± 5%	50mV P-P
+12V1	1A	16A	± 5%	120mV P-P
+12V2	1A	16A	± 5%	120mV P-P
+12V3	1A	16A	± 5%	120mV P-P
+12V4	1A	16A	± 5%	120mV P-P
-12V	0A	0.5A	± 10%	120mV P-P
+5Vsb	0A	4A	± 5%	50mV P-P

*+3.3V and +5V total output not exceed 150W *Maximum combined current for 12V output shall be 48A
 * Total output for this subject power supply is 600W

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C ;
Storage: -20°C ~ +80°C
- **Humidity:** Operation : 85% RH, Non-condensing.
Storage : 95% RH, Non-condensing.
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- **Altitude:** operating up to 5K Meter.
- **Efficiency:** Typical > 92%
- **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): 240x100x40.5mm /
9.45x3.9x 1.59inch

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