



**Sparkle Power Inc.**  
 A Leading Power Supply Manufacturer  
 Web site: [www.sparklepower.com](http://www.sparklepower.com)

**FSP700-50DRS**  
**(80PLUS Gold, PM\_Bus, RoHS Compliant)**  
**700Watts 1+1 2U Redundant**  
**Switching Power Supply**



**Features**

- Hot Swapping. Redundant, Power Management Bus (PM Bus REV1.2)
- Complied with latest Intel/AMD platform.
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency 80 Plus Gold
- Extremely high overall reliability with redundancy for 24 by 7
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Internal 12V DC fan included
- Audible Alarm, TTL Alarm Signal .and Power LED indicator SMB Alert for Fan fail, OVP, OCP, SCP.
- 100% Hi-pot, ATE, and burn-in tested
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by : UL/CUL60950-1,TUV EN60950-1, FCC, EMC,CE

**Specification**

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage : -40°C ~ +70°C
- **Altitude :** Operating: up to 5K Meter; Non- Operating: 0~15KM.
- **Humidity:** 90% on operating, 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- **Efficiency: Typical > 90%**
- **Rise time:** 5~70mS
- **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):** 250x76x84mm / 9.84x2.99x3.3 inch

**Input Characteristics**

**Input Range:** 90 ~ 264Vac, Full Range Input  
**Frequency:** 47 ~ 63Hz  
**Input Current:** 8A~4A at 100~240VAC  
**Inrush Current:** No Damage

**Output Characteristics**

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0A	25A	± 5%	50mV P-P
+5V	0A	25A	± 5%	50mV P-P
+12V	0.5A	56A	± 5%	120mV P-P
-12V	0A	0.3A	± 10%	120mV P-P
+5Vsb	0A	4.5A	± 5%	50mV P-P

\*+3.3V and +5V total output not exceed 160W  
 \*+3.3V , +5V and 12V total output not exceed 680W  
 \* Total output for this subject power supply is 700W

**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](mailto: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