



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

FSP300-60FAG
(80PLUS Gold, RoHs Compliant)
300 Watts, FLEX Switching Power Supply



Features

- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency 80plus Gold and reliability
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances).
- 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 4A @ 115Vac, 2A @ 230Vac
Inrush Current: No Damage

Output Characteristics

| Output Voltage | Minimum Load | Maximum Load | Load Reg. | Ripple & Noise |
|----------------|--------------|--------------|-----------|----------------|
| +3.3V | 0.3A | 14A | ± 5% | 50mV P-P |
| +5V | 0.3A | 16A | ± 5% | 50mV P-P |
| +12V1 | 0.5A | 16A | ± 5% | 120mV P-P |
| +12V2 | 0.5A | 16A | ± 5% | 120mV P-P |
| -12V | 0A | 0.5A | ± 10% | 120mV P-P |
| +5Vsb | 0A | 3A | ± 5% | 50mV P-P |

*+3.3V and +5V total output not exceed 100W
 * Total output for this subject power supply is 300W

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; Storage & shipping: -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.
- **Meet ErP:** 5Vsb power is less than 0.45W input at power off mode (PS_ON input at high state) which is comply with EuP Lot 6 , year 2013 requirement.
- **Efficiency: Typical > 90%**
- **Rise time:** Less than 20ms
- **Hold-up Time:** 115V/60Hz :12ms minimum
230V/50Hz :16ms minimum
- **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):** 150x81.5x40.5mm / 5.9x3.2x1.59 inch

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