

Sparkle Power Inc.

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

FSP300-70PFL(SK)

Meet 80 PLUS Bronze, RoHS Compliant 300 Watts ATX 12V Switching Power Supply

Features

- · Complied with ATX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- · High efficiency and reliability
- Compatible with European Union Directive 2011/65/EU & (EU)2015/863 (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- · Noise Killer
- AC input I/O switch is option.
- 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 CB 62368 & 60950-1 2nd, EMC. UL TUV, FCC,
 CCC

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input

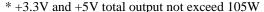
Frequency: 47 ~ 63Hz

Input Current: Max 6A(RMS) @ 115Vac, 3A(RMS) @ 230Vac

Inrush Current: No damage at cold start

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0A	19A	± 5%	50mV P-P
+5V	0A	16A	± 5%	50mV P-P
+12V1	0.1A	17A	± 5%	120mV P-P
+12V2	0.1A	17A	± 5%	120mV P-P
-12V	0A	0.5A	± 10%	120mV P-P
+5Vsb	0.A	3.0A	± 5%	50mV P-P
-5V (option)	0.A	0.1A	± 10%	100mV P-P



^{*} Total output for this subject power supply is 300W

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Specification

- Temperature Range: Operating: 0°C ~ +50°C on full load;
 storage & shipping: -20°C ~ +80°C
- Humidity: 5~85% on operating, 5~95% on storage
- Dielectric Withstand: Primary frame ground 1800V AC for 2 second
- Efficiency: Typical > 85%
- Altitude: Applied for tropical Climates and use at altitudes not exceeding 5000M above sea level.
- Standby Power consumption (5Vsb):

Efficiency> 45%@5Vsb/45mA &230Vac input (2013 Lot 6)

Efficiency> 55% @ 5Vsb/550mA &230Vac input

Efficiency> 70% @ 5Vsb/1A &230Vac input

Efficiency> 70% @ 5Vsb/3A &230Vac input

- Rise time: Less than 20ms
- Hold-up Time: 12 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, 63Hz
- MTBF:A minimum predicted MTBF (MIL-HDBK-217) of 100,000 hours of continuous operation at +25°C.
- **Dimensions** (LxWxH): 140x150x86mm / 5.5x5.9x3.4inch

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