



FSP300-60SBV

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



Features

- Complied with TFX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency 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 CB 60950-1 2nd, EMC. Safety Meet CUL/UL60950-1 2nd, TUV EN60950-1 2nd, FCC,

Input Characteristics

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

Frequency: 47 ~ 63Hz

Input Current: Max 4.0A(RMS) @ 115Vac, 2.0A(RMS) @ 230Vac

Inrush Current: No damage at cold start

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C (300W/35°C, 270W/50°C) Storage : -40°C ~ +70°C
- **Humidity:** 5~85% on operating, 5~95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency: Typical > 85%**
- **Altitude:** Operating : to 10,000ft, non-operating :to 50,000ft.
- **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, 63Hz
- **MTBF:**A minimum predicted MTBF (MIL-HDBK-217) of 100,000 hours of continuous operation at +25°C.
- **Dimensions (LxWxH):** 175x85x70mm / 6.9x3.4x2.8inch

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.1A	21A	± 5%	50mV P-P
+5V	0.2A	15A	± 5%	50mV P-P
+12V1	0.1A	13A	± 5%	120mV P-P
+12V2	0.5A	13A	± 5%	120mV P-P
-12V	0A	0.3A	± 10%	120mV P-P
+5Vsb	0.A	2.0A	± 5%	50mV P-P

*+3.3V and +5V total output not exceed 103W.

*+12V1 & +12V2 total output not exceed 264W.

* Total output for this subject power supply is 300W.

Sparkle Power Inc.
Main Office
48502 Kato Road.
Fremont CA 94538
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