



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



FSP300-60GNV-5K (Active PFC & RoHS Compliant)
300 Watts SFX12V Switching Power Supply (5km Altitude)

Features

- Complied with SFX and SFX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- Low noise and ripple
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Approved by UL60950/3, VUV EN60950/3
 CB Report KGE'82; 72/3.'CE

Input Characteristics

Input Range: 90 ~ 265Vac (RMS), Full Range Input

Frequency: 47 ~ 63Hz

Input Current: 4A (RMS) @115Vac, 2A (RMS) @230Vac

Inrush Current: No damage, typical 80A Max at cold start

Output Characteristics

Output	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	PEAK LOAD	OVER SHOOT	LOAD REG	LINE REG.	RIPPLE & NOISE
+3.3V	0.5A	9A	18A		+10%	±5%	±1%	50mV P-P
+5V	0.3A	9A	18A		+10%	±5%	±1%	50mV P-P
+12V1	1.0A	4A	8 A		+10%	±5%	±1%	120mV P-P
+12V2	1.0A	8A	16A	18A	+10%	±5%	±1%	120mV P-P
-12V	0.0A	0.25A	0.5A		+10%	±10%	±1%	120mV P-P
+5VSB	0.0A	1.0A	2.0 A	2.5A	+10%	±5%	±1%	50mV P-P

*+5V and +3.3V total output not exceed 125W

*Vqcn'qwr w'ht'j' ku'r qy gt'ur r d' 'ku'522Y

* O czko wo "eqo d'pgf "ewttgp'v'ht'j' g"34X"qwr wu'uj' cni'dg"44C

, - 34X4'r gcn'ewttgp'v'ku'3: C "h'guu'j' cp'32o "uge+."o k'pko wo "xqnci g'f'wt'kpi 'r gcn'ku"@20 XFE0

, 7Xud'r gcn'ewttgp'v'ku'40C "h'guu'j' cp'32o "uge+."o k'pko wo "xqnci g'f'wt'kpi 'r gcn'ku"@60XFE0

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Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; storage & shipping: -20°C ~ +80°C
- **Humidity:** 5 ~ 95% on operating and storage
- **Dielectric Withstand:** Input to frame ground 1800 VAC for 1 second
- **Efficiency:** 70% at light load and 75% at typical load and full load
- **Rise time:** Less than 20ms (5Vsb less than 25ms)
- **Hold-up Time:** 17ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Not exceed 3.5mA
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 130x125x63.5mm/5.1x5x2.5inch

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