



Sparkle Power Inc.

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



FSP300-60GLC (With Active PFC) **300 Watts ATX12V-2.01, Switching Power Supply** Meet **Green Power** / **Blue Angel** / **EPA**

Features

- Complied with ATX and ATX12V 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 and CISPR 22 Class B
- 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, CSA C22.2, TUV or VDE, NEMKO (CB Report), IEC60950-1 and CE

Input Characteristics

Input Range: 90~265V AC, Full Input Range

Frequency: 47~63Hz

Input Current: 4A (RMS) @115V AC, 2A (RMS) @230VAC

Inrush Current: No damage, typical 100A Max at cold start

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	10A	20A	± 5%	± 1%	50mV P-P
+5V	0.3A	10A	20A	± 5%	± 1%	50mV P-P
+12V1DC	1.0A	4A	8A	± 5%	± 1%	120mV P-P
+12V2DC	1.0A	7A	14A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.4 A	0.8 A	± 10%	± 1%	120mV P-P
+5Vsb	0.0A	1.0 A	2.0 A	± 5%	± 1%	50mV P-P

*+3.3V and +5V total output not exceed 130W

*Totals output on this subject power supply is 300W.

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:** Primary to frame ground 1800V AC for 1 second
- **Efficiency:** min **78%** at 230VAC & **75%** at 115VAC main voltage and frequency with max load on all output.
- **Rise Time:** Less than 20ms
- **Hold-up Time:** 17ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ms to 500 ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA at 115V AC/60Hz
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x140mm/5.9"x3.4"x5.5" inches

Sparkle Power Inc.

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REF. ID.	PIN NO.	NOMINAL VALUE	WIRE COLOR	GAUGE	CONNECTOR TYPE	DATE LENGTH
	1	+3.3VDC	ORANGE	18	H756-30N(LT) H756-04N(LT) or EQUIV.	350 ±10 mm
	2	+3.3VDC	ORANGE	18		

NOLEX
16P 350 ±10 mm

NOLEX
39-01-2040
: EQUIV.
NOLEX
350 ±10 mm
±10 mm
±10 mm

