



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.

Main Office

1000 Rock Avenue
San Jose, CA 95131
TEL: 408-519-8888
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E-MAIL: info@sparklepower.com

Sparkle Power Inc.

Los Angeles Office

17071 Green Drive
City of Industry, CA 91745
TEL: 626-839-7180
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Sparkle Power Inc.

Colorado Office

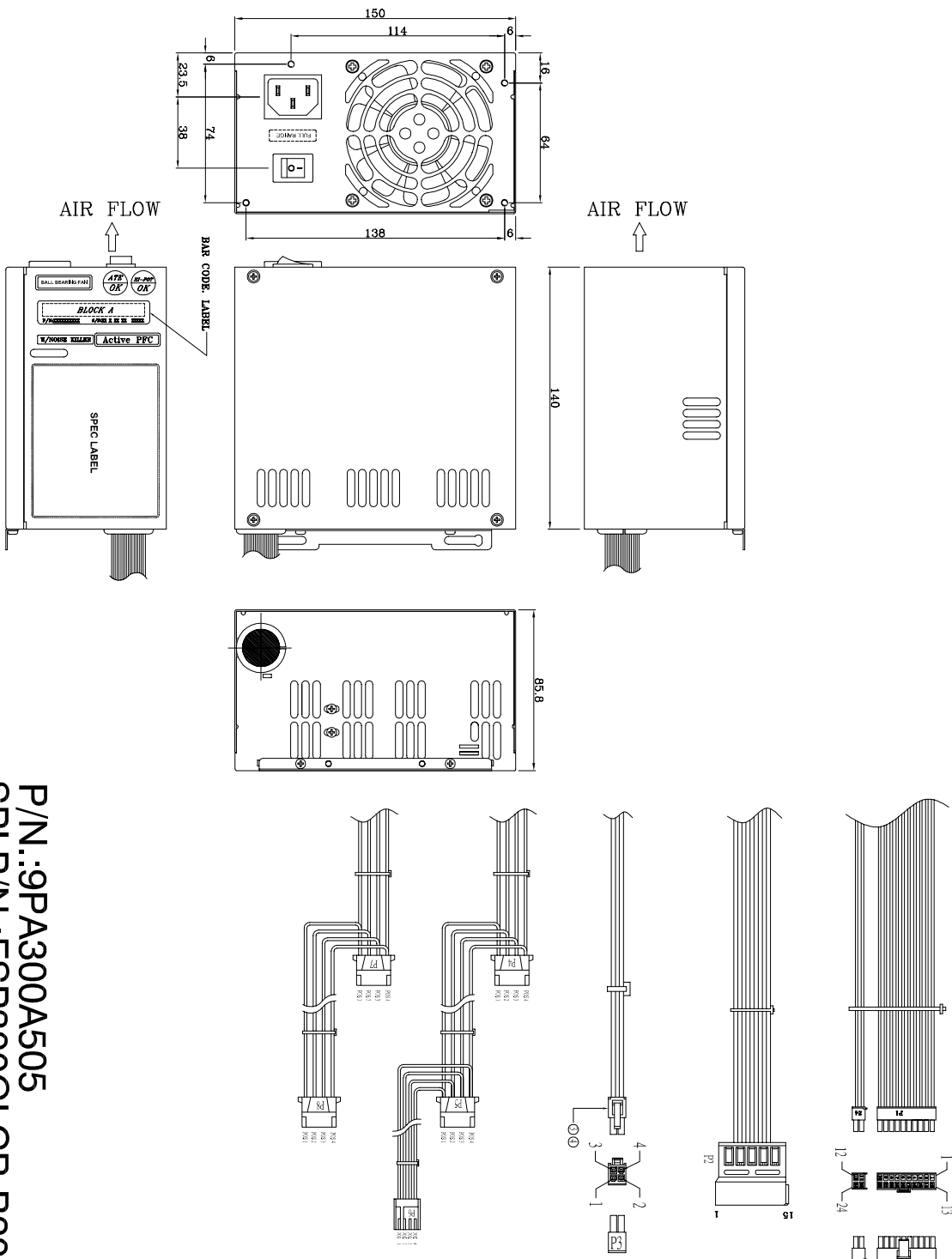
1316 Indian Paintbrush Lane
Longmont, CO 80503
TEL: 303-776-3281
FAX: 303-776-7645

REP. ID.	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
P1 /24	1	+3.3VDC	ORANGE	18	MOLLEX C11270H00 15P or EQUIV.	350 + [±] 10 mm
	2	+3.3VDC	ORANGE	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
	5	COM	BLACK	18		
	6	+5VDC	RED	18		
	7	COM	BLACK	18		
	8	PWR_ON	GRAY	24		
	9	+5Vsb	PURPLE	20		
	10	+12V1	YELLOW	18		
	11	+12V1	YELLOW	18		
	12	+3.3VDC	ORANGE	18		
	13	+3.3VDC	ORANGE	18		
	14	+3.3Vsense	BROWN	24		
	15	-12VDC	BLUE	24		
	16	COM	BLACK	18		
	17	PS_ON#	GREEN	24		
	18	COM	BLACK	18		
	19	COM	BLACK	18		
	20	COM	BLACK	18		
21	+5VDC	RED	18	MOLLEX 15P or EQUIV.	350 + [±] 10 mm	
22	+5VDC	RED	18			
23	+5VDC	RED	18			
24	COM	BLACK	18			
P2	1	+3.3V	ORANGE	18	MOLLEX C11270H00 15P or EQUIV.	350 + [±] 10 mm
	2	COM	BLACK	18		
	3	+5V	RED	18		
	4	COM	BLACK	18		
P3	1	+12V1	YELLOW	18	MOLLEX 39-01-2040 350 + [±] 10 mm or EQUIV.	350 + [±] 10 mm
	2	COM	BLACK	18		
	3	+12V2	YEL./BLK	16		
	4	+12V1	YEL./BLK	16		
P4	1	+12V1	YELLOW	18	MOLLEX 1-480424-0 350 + [±] 10 mm or EQUIV.	350 + [±] 10 mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P7	1	+12V1	YELLOW	18	MOLLEX 1-480424-0 350 + [±] 10 mm or EQUIV.	350 + [±] 10 mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P5	1	+12V1	YELLOW	18	MOLLEX 1-480424-0 150 ±10mm or EQUIV.	150 ±10mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
P8	1	+5V	RED	18	MOLLEX 171822-4 or EQUIV.	150 ±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
P6	1	+5V	RED	20	MOLLEX 171822-4 or EQUIV.	150 ±10mm
	4	+12V1	YELLOW	20		

NOTE:

- ALL THE LENGTH OF OUTPUT WIRES EXCLUDE HOUSING.
- 產地標籤依業務指示加貼.

UNIT:mm



P/N.:9PA300A505
SPI P/N.:FSP300GLCR-B204

MODEL NO. :FSP300-60GLC(S032)	TITLE: ASSY	SHEET: 1 OF 1	REV:04
R&D	PE	CHECKED	DESIGN
INTERIOR COUNTERSIGN:			
			DATE
			FEB.18.2006
			劉啟全