



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



FSP350-60GLC (With Active PFC)
350 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), IEC 60950 and CE

Input Characteristics

Input Range: 90~265V AC, Full Input Range
Frequency: 47~63Hz
Input Current: 4.5A (RMS) @115V AC, 2.5A (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	11A	22A	± 5%	± 1%	50mV P-P
+5V	0.3A	10.5A	21A	± 5%	± 1%	50mV P-P
+12V1DC	1.0A	5A	10A	± 5%	± 1%	120mV P-P
+12V2DC	1.0A	7.5A	15A	± 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 150W
 *Total output for this subject power supply is 350W

Specification

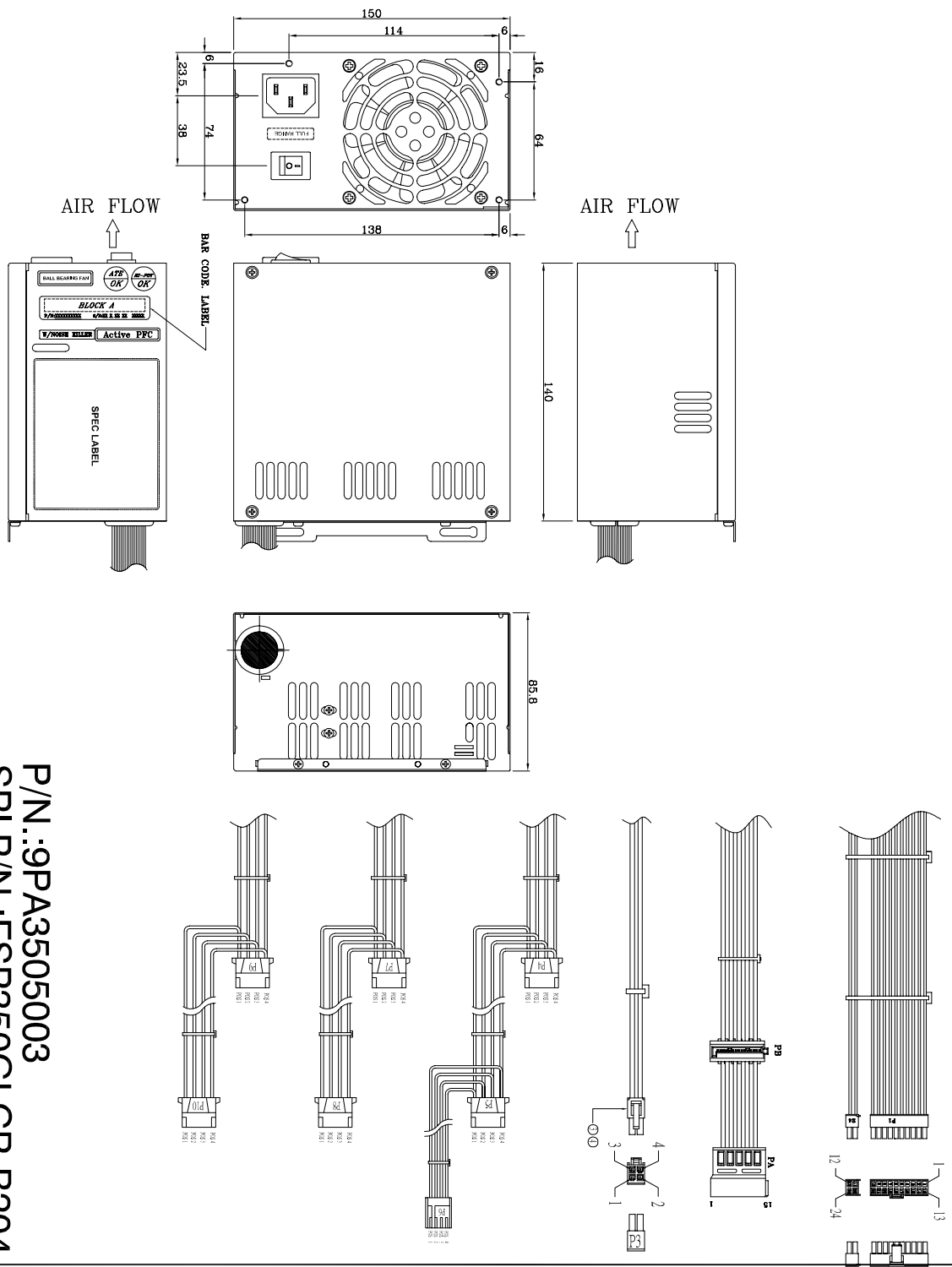
- **Temperature Range:** Operating 0° C ~ +50° C on full load; storage & shipping -20° C ~ +80° C
- **Humidity:** 5~95% on operating and storage
- **Dielectric Withstand:** Primary to frame ground 1800V AC for 1 second
- **Efficiency:** min **80%** at 230VAC & **75%** at 115VAC main voltage and frequency with maximum 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
 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

Sparkle Power Inc.
Colorado Office
 1316 Indian Paintbrush Lane
 Longmont, CO 80503
 TEL: 303-776-3281
 FAX: 303-776-7645

ID.	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
1	+3.3VDC	ORANGE	ORANGE	18	MOLEX C11271HS0 15P or EQUIV. 500 ±10 mm	500 ±10 mm
2	+3.3VDC	ORANGE	ORANGE	18		
3	COM	BLACK	BLACK	18		
4	+5VDC	RED	RED	18		
5	COM	BLACK	BLACK	18		
6	+5VDC	RED	RED	18		
7	COM	BLACK	BLACK	18		
8	PW-ON	GRAY	GRAY	24		
9	+5Vsb	PURPLE	PURPLE	20		
10	+12V1	YELLOW	YELLOW	18		
11	+12V1	YELLOW	YELLOW	18		
12	+3.3VDC	ORANGE	ORANGE	18		
13	+3.3VDC	BROWN	BROWN	24		
14	-12VDC	BLUE	BLUE	24		
15	COM	BLACK	BLACK	18		
16	PS-ON	GREEN	GREEN	24		
17	COM	BLACK	BLACK	18		
18	COM	BLACK	BLACK	18		
19	COM	BLACK	BLACK	18		
20	COM	BLACK	BLACK	18		
21	+5VDC	RED	RED	18		
22	+5VDC	RED	RED	18		
23	+5VDC	RED	RED	18		
24	COM	BLACK	BLACK	18		
1	+3.3V	ORANGE	ORANGE	18	MOLEX C11271HS0 15P or EQUIV. 200 ±10mm	200 ±10mm
2	COM	BLACK	BLACK	18		
3	+5V	RED	RED	18		
4	COM	BLACK	BLACK	18		
5	+12V1	YELLOW	YELLOW	18		
1	+3.3V	ORANGE	ORANGE	18	MOLEX C11270H00 15P or EQUIV. 200 ±10mm	200 ±10mm
2	COM	BLACK	BLACK	18		
3	+5V	RED	RED	18		
4	COM	BLACK	BLACK	18		
5	+12V1	YELLOW	YELLOW	18		
1	COM	BLACK	BLACK	18	MOLEX 39-01-2040 or EQUIV. 500 ±10 mm	500 ±10 mm
2	COM	BLACK	BLACK	18		
3	+12V2	YEL/BLK	YEL/BLK	16		
4	+12V2	YEL/BLK	YEL/BLK	16		
1	+12V1	YELLOW	YELLOW	18		
2	COM	BLACK	BLACK	18		
3	COM	BLACK	BLACK	18		
4	+5V	RED	RED	18		
1	+12V1	YELLOW	YELLOW	18	MOLEX 1-480424-0 or EQUIV. 430 ±10 mm	430 ±10 mm
2	COM	BLACK	BLACK	18		
3	COM	BLACK	BLACK	18		
4	+5V	RED	RED	18		
1	+12V1	YELLOW	YELLOW	18		
2	COM	BLACK	BLACK	18		
3	COM	BLACK	BLACK	18		
4	+5V	RED	RED	18		
1	+12V1	YELLOW	YELLOW	18	MOLEX 171822-4 or EQUIV. 200 ±10mm	200 ±10mm
2	COM	BLACK	BLACK	20		
3	COM	BLACK	BLACK	20		
4	+5V	RED	RED	18		
1	+12V1	YELLOW	YELLOW	20		



NOTE:

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

P/N.:9PA3505003
SPI P/N.:FSP350GLCR-B204

MODEL NO. : FSP350-60GLC(S031)	TITLE: ASSY	SHEET: 1 OF 1	REV:07
R&D	PE	CHECKED	DESIGN
INTERIOR COUNTERSIGN:			
			DATE
			JAN.06.2006
			劉啓全