



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



SPI250A8AG

(80PLUS Gold, RoHS Compliant)

**250 Watts ATX12V 2.3 Switching Power Supply
Meet 2010 ErP**

Features

- Complied with ATX12V 2.3 standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- 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 CUL/UL60950-1, TUV EN60950-1, CB 60950-1 report, FCC, EMC.

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input

Frequency: 47 ~ 63Hz

Input Current: Max 4A @ 115Vac, 2A @ 230Vac

Inrush Current: No damage.

Output Characteristics

	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	LOAD REG.	LINE REG.	RIPPLE & NOISE
+3.3V	0.1A	4.84A	14/6.67A	±5%	±1%	50mV P-P
+5V	0.2A	3.82A	10.16/15A	±5%	±1%	50mV P-P
+12V1	0.3A	3.43A	17A	±5%	±1%	120mV P-P
+12V2	0.3A	3.43A	17A	±5%	±1%	120mV P-P
-12V	0A	0.15A	0.3A	±10%	±2%	120mV P-P
+5Vsb	0A	1.17A	3.0A	±5%	±1%	50mV P-P

*+3.3V & +5V total output does not exceed 97W
when +5V is loaded to 15A, then +3.3V maximum load is 6.67A
when +3.3V is loaded to 14A, then +5V maximum load is 10.16A
*+12V1 & +12V2 total output does not exceed 240W(20A)

Sparkle Power Inc.

Main Office

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San Jose, CA 95131
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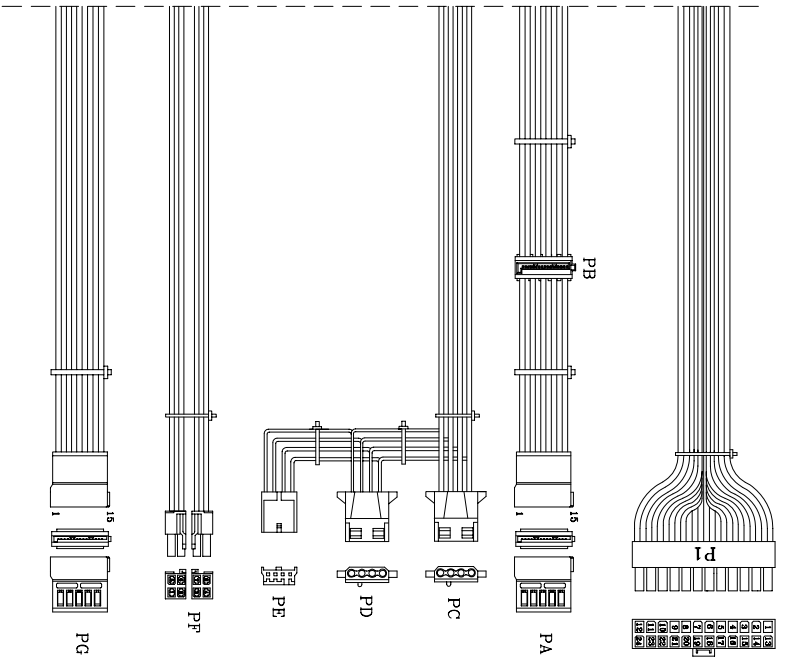
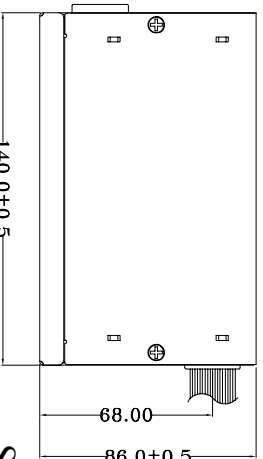
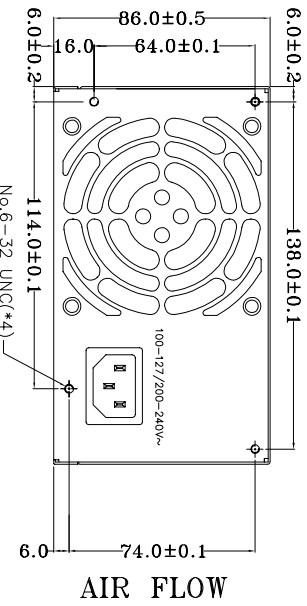
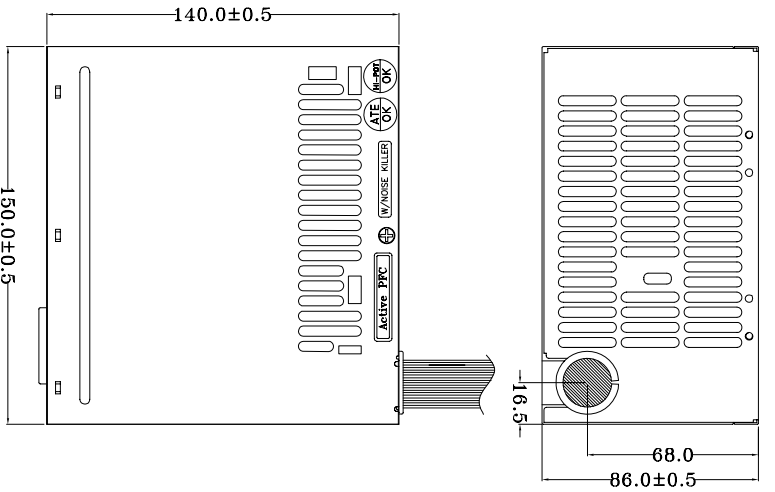
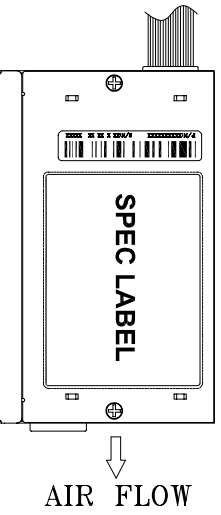
Sparkle Power Inc.

Los Angeles Office

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REF. ID	PN	SIGNAL	WIRE CODE	GAUGE	COLOR	CONNECTION	LENGTH	
P1 /24	1	+3.3VDC	ORANGE	18		MOLEX 39-01	350±30mm	
	2	+3.3VDC	ORANGE	18		2240 or EQUIV.	-10	
	3	COM	BLACK	18				
	4	+5VDC	RED	18				
	5	COM	BLACK	18				
	6	+5VDC	RED	18				
	7	COM	BLACK	18				
	8	+5VDC	RED	18				
	9	COM	BLACK	18				
	10	+5VDC	RED	18				
	11	+12VDC	YELLOW	18				
	12	+3.3VDC	ORANGE	18				
	13	+3.3VDC	ORANGE	18				
	14	-12VDC	BLUE	24				
	PA	1	COM	GREEN	18		MOLEX 39-01	150±10mm
		2	+3.3V	BLACK	18		or EQUIV.	
		3	+5V	RED	18			
		4	COM	BLACK	18			
		5	+3.3V	BLACK	18			
		6	+3.3V	ORANGE	18			
		7	COM	BLACK	18			
		8	+5V	RED	18			
	PB	1	+12V	YELLOW	18		MOLEX 350±30mm	-10
		2	COM	BLACK	18		or EQUIV.	
3		+5V	RED	18				
4		COM	BLACK	18				
PC	1	+12V	YELLOW	18		AMP	355±30mm	
	2	COM	BLACK	18		1-480424-0	-10	
	3	COM	BLACK	18		or EQUIV.		
PD	1	+12V	YELLOW	18		AMP	150±10mm	
	2	COM	BLACK	18		1-480424-0	or EQUIV.	
	3	COM	BLACK	18		or EQUIV.		
PE	1	+12V	YELLOW	22		AMP	150±10mm	
	2	COM	BLACK	22		171882-4	or EQUIV.	
	3	COM	BLACK	22				
	4	COM	BLACK	18				
PF	1	+12V	YELLOW	18		NST	350±30mm	
	2	COM	BLACK	18		14-4202838	-10	
	3	COM	BLACK	18		14-4202838		
	4	COM	BLACK	18		14-4202838		
	5	+12V	YEL./BLK	18		14-4202838		
	6	+12V	YEL./BLK	18		or EQUIV.		
PG	1	+12V	YEL./BLK	18				
	2	COM	BLACK	18				
	3	+5V	RED	18				
	4	COM	BLACK	18				



SPI P/N: SPI250A8AG

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

2 客户要求變更線材

UNIT:mm

MODEL NO.:	SPI250A8AG		TITLE:	ASSY	
R&D(1)	PE	DRAWN	SHEET:	1 OF 1	
			DATE:	JUL.02.2010	
Mechanical Drawing(外觀/機種圖)表單編號7000P-0111					