



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



SPI400ACAG

(80PLUS Gold, RoHS Compliant)

**400 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 6A @ 115Vac, 3A @ 230Vac

Inrush Current: No damage.

Output Characteristics

	MINIMUM LOAD	NORMAL LOAD	MAXIMUM LOAD	LOAD REG.	LINE REG.	RIPPLE & NOISE
+3.3V	0.1A	12A	24/3A	±5%	±1%	50mV P-P
+5V	0.2A	12A	8/22A	±5%	±1%	50mV P-P
+12V1	0.1A	8A	18A	±5%	±1%	120mV P-P
+12V2	0A	8A	18A	±5%	±1%	120mV P-P
-12V	0A	0.15A	0.3A	±10%	±2%	200mV P-P
+5Vsb	0A	1.5A	3A	±5%	±1%	50mV P-P

*+12V1,2,3,4 Peak current is 20A (less than 10mS)

*+5V_{sb} peak current is 4A (less than 0.5S)

*+3.3V & +5V total output does not exceed 120W
when +5V is loaded to 22A, then +3.3V maximum load is 3A
when +3.3V is loaded to 24A, then +5V maximum load is 8A

*+12V1 & +12V2 total output does not exceed 384W(32A)

Sparkle Power Inc.

Main Office

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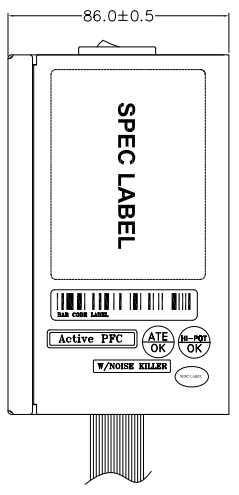
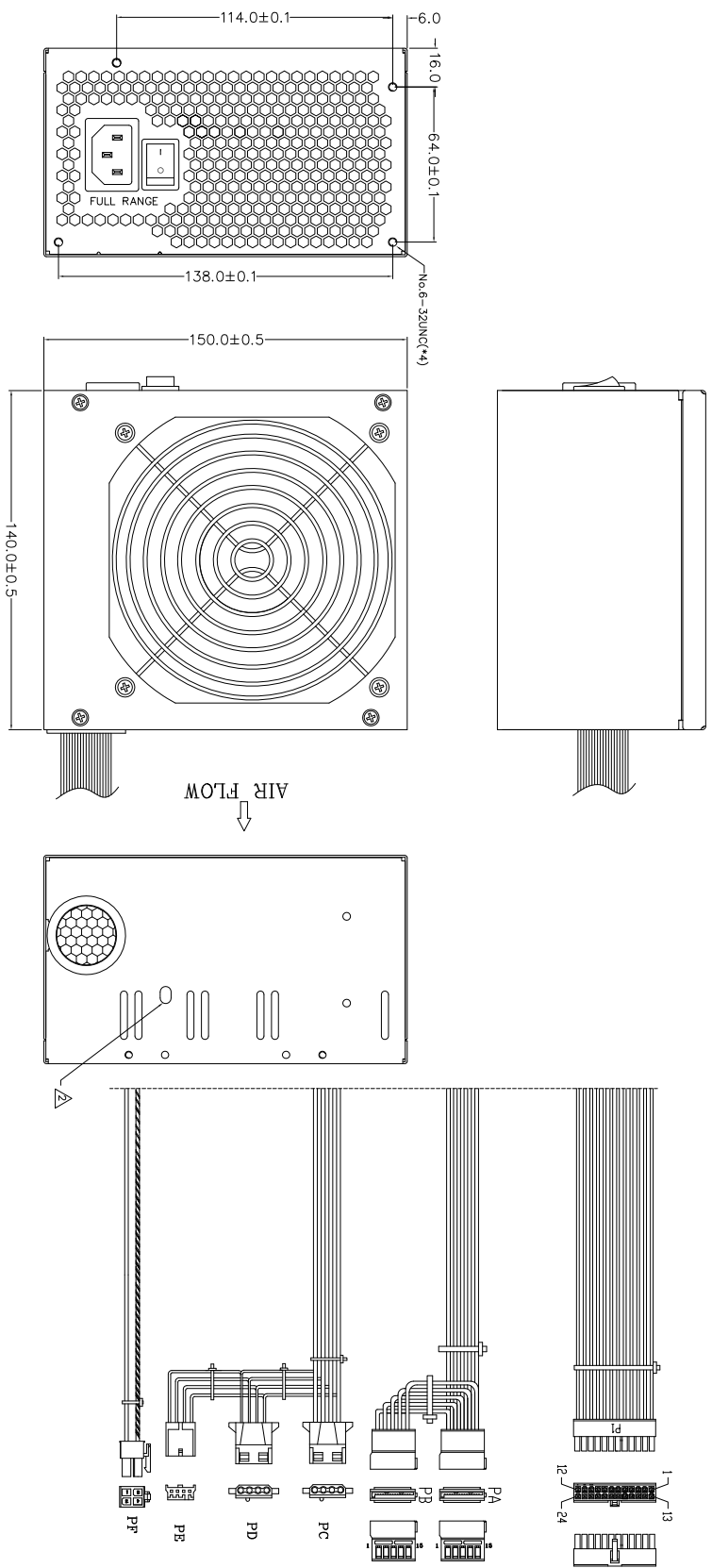
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Los Angeles Office

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REF. ID. NO.	WIRE SIGNAL CODE	WIRE COLOR	CONDUCTOR TYPE	CABLE LENGTH
P1	1	+3.3VDC	ORANGE	400 ±38 mm
	2	+5VDC	ORANGE	
	3	NC	RED	
	4	+5VDC	RED	
5	5	COM	BLACK	150±10mm
	6	+5VDC	RED	
	7	COM	BLACK	
	8	COM	BLACK	
9	9	COM	BLACK	300 ±38 mm
	10	+5Vdc	PURPLE	
	11	+12V1	YELLOW	
	12	+3.3VDC	ORANGE	
13	13	+5VDC	BROWN	150±10mm
	14	-12VDC	BLUE	
	15	COM	BLACK	
	16	PS-ON	GREEN	
17	17	COM	BLACK	150±10mm
	18	COM	BLACK	
	19	COM	BLACK	
	20	COM	BLACK	
21	21	+5VDC	RED	300 ±38 mm
	22	+5VDC	RED	
	23	+5VDC	RED	
	24	COM	BLACK	
PA	1	+3.3V	ORANGE	300 ±38 mm
	2	COM	BLACK	
	3	+5V	RED	
	4	+12V1	YELLOW	
PB	1	+3.3V	ORANGE	150±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	COM	BLACK	
PC	1	+12V1	YELLOW	300 ±38 mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PD	1	+12V1	YELLOW	150±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	COM	BLACK	
PE	1	+12V1	YELLOW	150±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	COM	BLACK	
PF	1	COM	BLACK	350 ±38 mm
	2	COM	BLACK	
	3	+12V2	YEL./BLACK	
	4	+12V2	YEL./BLACK	



UNIT:mm

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

SPI P/N: SP1400ACAG

MODEL NO. : SP1400ACAG	TITLE: ASSY	SHEET: 1 OF 1	REV:02
R&D(1)	PE	DRAWN	DATE
			NDV.10.2010

Mechanical Drawing(外觀/機構圖) 表單編號7000P-0111