



**Sparkle Power Inc.**  
A Leading Power Supply Manufacturer  
Web site: [www.sparklepower.com](http://www.sparklepower.com)

## **ATX-400PA (RoHS Compliant)** **400 Watts ATX12V-2.2 Switching Power Supply**

### Features

- Complied with ATX12V standard
- High efficiency and reliability, low noise and ripple
- 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)
- 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 UL60950, CSA C22.2 NO. 60950, TUV EN60950 or VDE EN60950, NEMKO EN60950 (CB Report)

### Input Characteristics

**Input Range:**  $\pm 10\%$  of 115Vrms/57~63Hz or 230Vrms/47~53Hz,

Manual Selection

**Input Current:** 8.5A (RMS) @115Vac, 5A (RMS) @230Vac

**Inrush Current:** No Damage

### Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Peak Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	16.0A	20.0A		$\pm 5\%$	$\pm 1\%$	50mV P-P
+5V	0.3A	11.2A	14.0A		$\pm 5\%$	$\pm 1\%$	50mV P-P
+12V1	1.0A	11.2A	18.0A		$\pm 5\%$	$\pm 1\%$	100mV P-P
+12V2	1.0A	12.6A	18.0A		$\pm 5\%$	$\pm 1\%$	100mV P-P
-12V	0.0A	0.3A	0.3A		$\pm 10\%$	$\pm 2\%$	100mV P-P
+5Vsb	0.0A	1.0A	2.5A	3.5A	$\pm 5\%$	$\pm 1\%$	50mV P-P

\*+3.3V and +5V total output not exceed 136W

\*+12V1 and +12V2 total output not exceed 348W, +3.3V & +5V & 12V1& 12V2 total output not exceed 385W

\* Total output for this subject power supply is 400W

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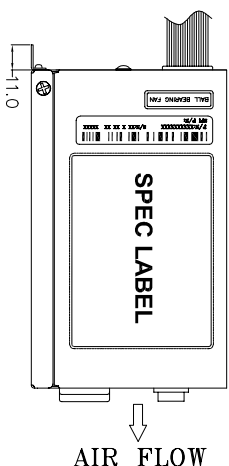
**Sparkle Power Inc.**  
**Los Angeles Office**  
17071 Green Drive  
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TEL: 626-839-7180  
FAX: 626-839-3395



### Specification

- **Temperature Range:** Operating: 0°C ~ +50°C, Full load at 25°C, De-rate 2W/°C from 25°C to 50°C;
- **Storage & shipping:** -20°C ~ +65°C
- **Humidity:** 5 ~ 95% on operating and storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** 70% minimum measured at normal AC mains voltage and frequency with full load
- **Rise time:** Less than 20ms
- **Hold-up Time:** 17ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 140x150x86mm/5.5x5.9x3.4inch

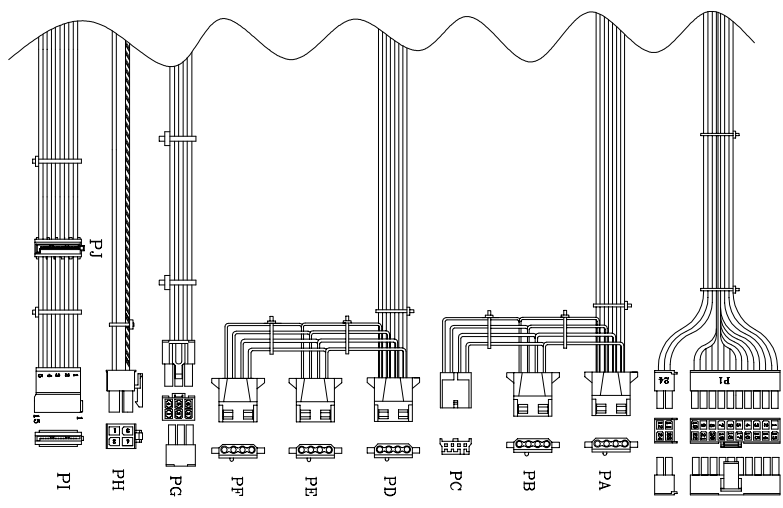
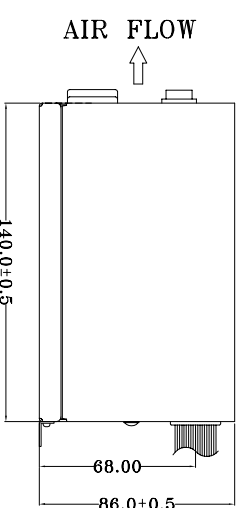
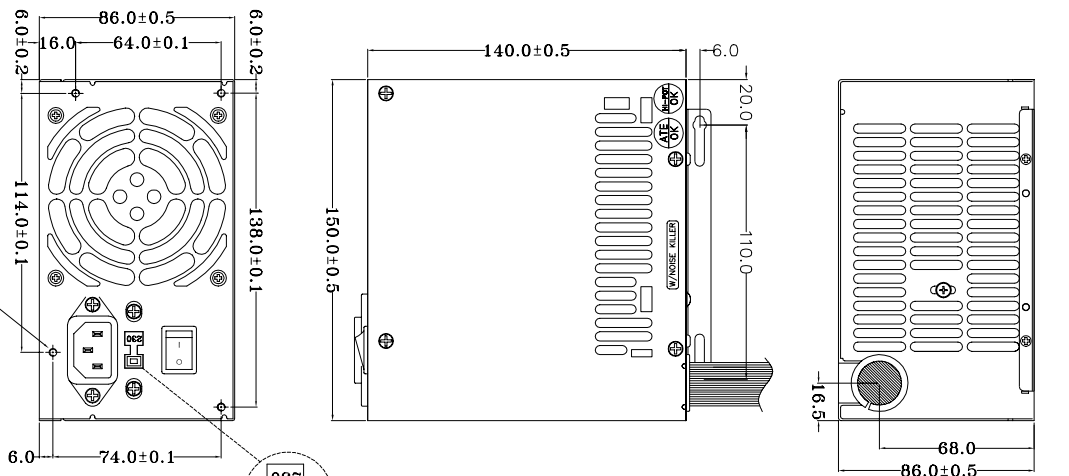
TEMP. NO.	PN	SIGNAL	WIRE	COLOR	CONDUCTOR	GAUGE
1	1-32UNC	ORANGE	18	ORANGE	AMP	180-130mm
2	1-32UNC	ORANGE	18	ORANGE	AMP	180-130mm
3	1-32UNC	RED	18	RED	AMP	180-130mm
4	1-32UNC	RED	18	RED	AMP	180-130mm
5	1-32UNC	RED	18	RED	AMP	180-130mm
6	1-32UNC	RED	18	RED	AMP	180-130mm
7	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
8	1-32UNC	GRAY	18	GRAY	AMP	180-130mm
9	1-32UNC	GRAY	18	GRAY	AMP	180-130mm
10	1-32UNC	YELLOW	18	YELLOW	AMP	180-130mm
11	1-32UNC	YELLOW	18	YELLOW	AMP	180-130mm
12	1-32UNC	ORANGE	18	ORANGE	AMP	180-130mm
13	1-32UNC	ORANGE	20	ORANGE	AMP	180-130mm
14	1-32UNC	ORANGE	20	ORANGE	AMP	180-130mm
15	1-32UNC	GREEN	18	GREEN	AMP	180-130mm
16	1-32UNC	GREEN	18	GREEN	AMP	180-130mm
17	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
18	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
19	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
20	1-32UNC	RED	18	RED	AMP	180-130mm
21	1-32UNC	RED	18	RED	AMP	180-130mm
22	1-32UNC	RED	18	RED	AMP	180-130mm
23	1-32UNC	RED	18	RED	AMP	180-130mm
24	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
25	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
26	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
27	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
28	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
29	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
30	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
31	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
32	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
33	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
34	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
35	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
36	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
37	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
38	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
39	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
40	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
41	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
42	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
43	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
44	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
45	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
46	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
47	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
48	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
49	1-32UNC	BLACK	18	BLACK	AMP	180-130mm
50	1-32UNC	BLACK	18	BLACK	AMP	180-130mm



NOTE:  
1. ALL THE LENGTH OF OUTPUT WIRES EXCLUDE HOUSING.  
2. 產地標識作業務指示加貼。

UNIT: mm

△ 客户要求變更整組線材



MODEL NO.:	ATX-400PA(S03001)		TITLE:	ASSY	SHEET:	1 OF 1	REV:	02
APPROVE	PE	DRAWN	DATE					
INTERIOR COUNTERSIGN:								

FSP P/N.: 9PX4002203  
SPI P/N.: ATX-400PA-B204

表單編號: 700P-0111