



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

ATX-300PA (RoHS Compliant) **300 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: ±10% of 115Vrms/57~63Hz or 230Vrms/47~53Hz,
 Manual Selection

Input Current: 7A (RMS) @115Vac, 4A (RMS) @230Vac

Inrush Current: No Damage

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	13.5A	20.0A	± 5%	± 1%	50mV P-P
+5V	0.3A	9.0A	20.0A	± 5%	± 1%	50mV P-P
+12V1	1.0A	6.0A	16.0A	± 5%	± 1%	100mV P-P
+12V2	1.0A	10.5A	16.0A	± 5%	± 1%	100mV P-P
-12V	0.0A	0.3A	0.3A	± 10%	± 2%	100mV P-P
+5Vsb	0.0A	1.0A	2.5A	± 5%	± 1%	50mV P-P

*+3.3V and +5V total output not exceed 120W

*+12V1 and +12V2 total output not exceed 264W, +3.3V & +5V & 12V1 & 12V2 total output not exceed 280W

*+12V2 Peak loading, Min Voltage during peak is >11.0Vdc

* Total output for this subject power supply is 300W

Sparkle Power Inc.
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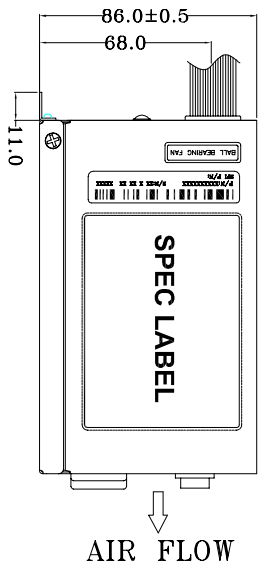


Specification

- **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

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 17071 Green Drive
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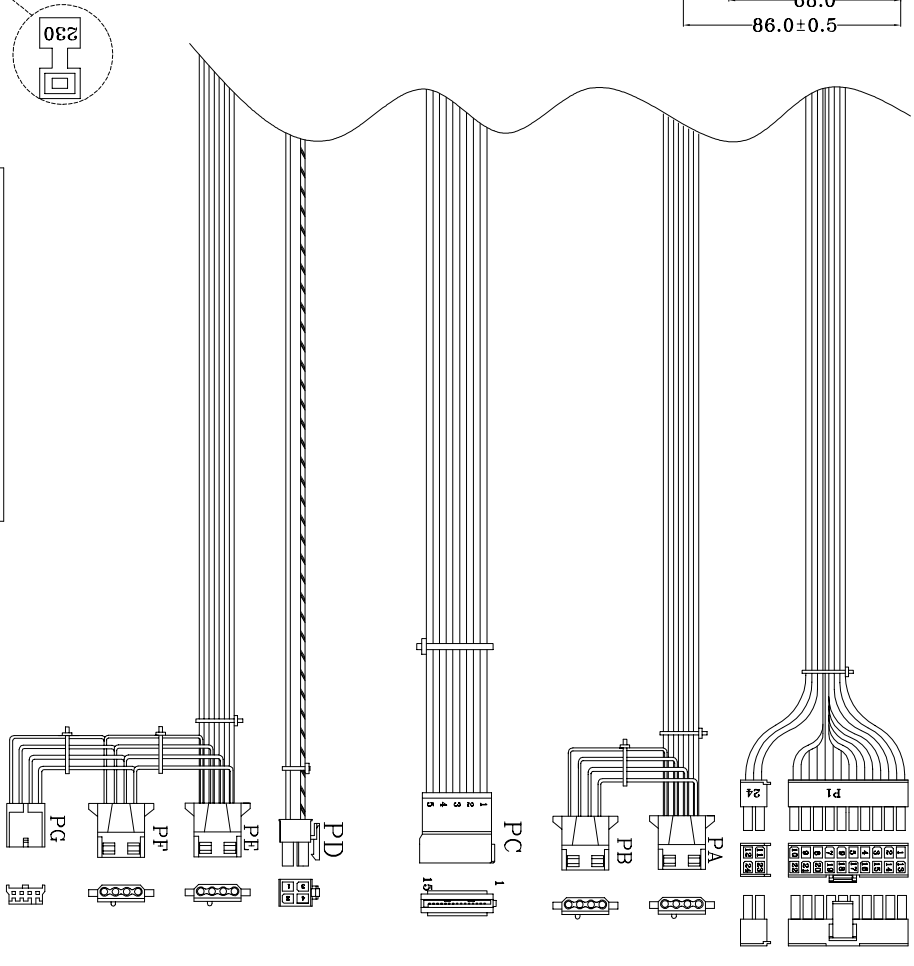
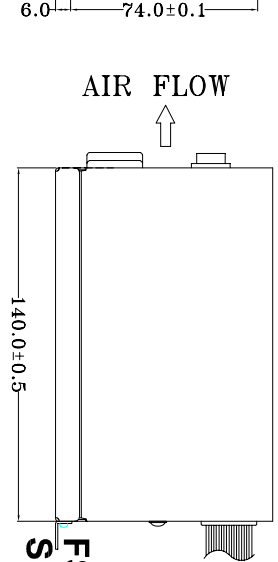
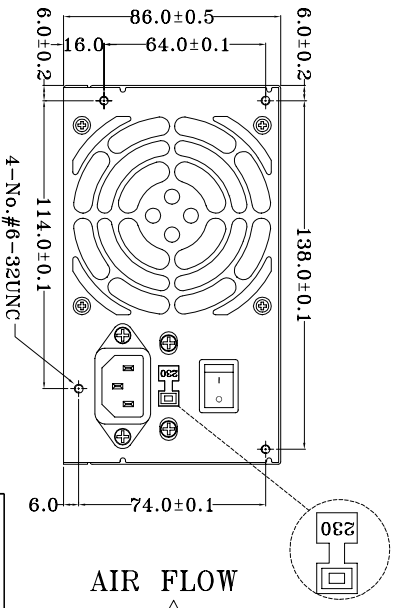
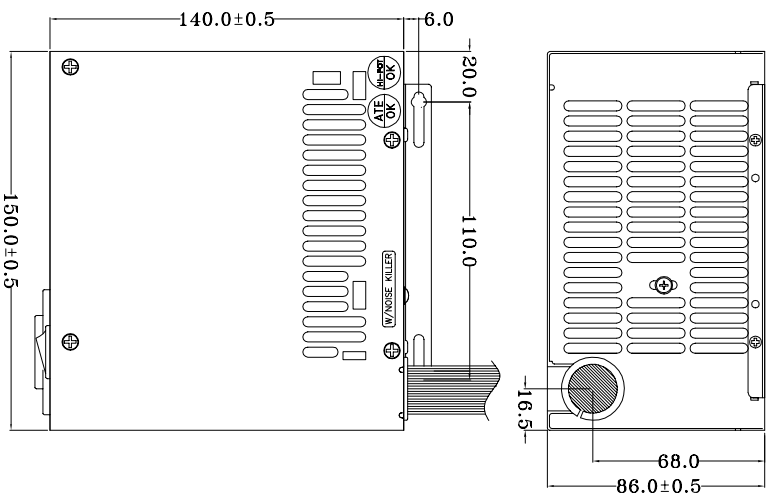
REF. ID.	REF. NO.	SIGNAL	WIRE COLOR	GAGE	CONNECTOR TYPE	CABLE LENGTH
	1	+3.3VDC	ORANGE	18	17P-80P/4N	350±30mm
	2	+3.3VDC	BLACK	18	OR EQUIVALENT	-10
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
	5	COM	BLACK	18		
	6	+5VDC	RED	18		
	7	COM	BLACK	18		
	8	PW-OK	GRAY	24		
	9	+5Vdc	PURPLE	18		
	10	+12V	YELLOW	18		
	11	+12V	YELLOW	18		
	12	+3.3VDC	ORANGE	20		
	13	5Vdc	BROWN	24		
	14	-12VDC	BLUR	24		
	15	COM	BLACK	18		
	16	PS-ON	GREEN	24		
	17	COM	BLACK	18		
	18	COM	BLACK	18		
	19	COM	BLACK	18		
	20	COM	BLACK	18		
	21	+5VDC	RED	18		
	22	+5VDC	RED	18		
	23	+5VDC	RED	18		
	24	COM 24V	BLACK	18		
PA	1	+12V	YELLOW	18	AMP	350±30mm
	2	COM	BLACK	18	AMP	-10
	3	COM	BLACK	18	AMP	-10
	4	+5V	RED	18	AMP	-10
PB	1	+12V	YELLOW	18	AMP	350±30mm
	2	COM	BLACK	18	AMP	-10
	3	COM	BLACK	18	AMP	-10
	4	+5V	RED	18	AMP	-10
PC	1	+12V	YELLOW	18	15PIN SERIAL ATN	350±30mm
	2	COM	BLACK	18	15PIN SERIAL ATN	-10
	3	+5V	RED	18	15PIN SERIAL ATN	-10
	4	COM	BLACK	18	15PIN SERIAL ATN	-10
	5	+3.3VDC	ORANGE	18	15PIN SERIAL ATN	-10
PD	1	COM	BLACK	18	MOLEX	350±30mm
	2	COM	BLACK	18	39-01-2040	-10
	3	+12V2	YEL/BLK	18	39-01-2040	-10
	4	+12V2	YEL/BLK	18	39-01-2040	-10
PE	1	COM	BLACK	18	AMP	350±30mm
	2	COM	BLACK	18	AMP	-10
	3	COM	BLACK	18	AMP	-10
	4	+12V	YELLOW	18	AMP	-10
PF	1	COM	BLACK	18	AMP	350±30mm
	2	COM	BLACK	18	AMP	-10
	3	COM	BLACK	18	AMP	-10
	4	+5V	RED	18	AMP	-10
	5	+12V	YELLOW	22	AMP	-10
PG	1	COM	BLACK	22	AMP	155±10mm
	2	COM	BLACK	22	AMP	-10
	3	COM	BLACK	22	AMP	-10
	4	+5V	RED	22	AMP	-10



NOTE:

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

UNIT:mm



FSP P/N.:9PX3009907
SPI P/N.:ATX-300PA-B204

MODEL NO.: ATX-300PA(S03001)	TITLE: ASSY	SHEET: 1 OF 1	REV:01
APPROVE	PE	DRAWN	DATE
INTERIOR COUNTERSIGN:			JUN.21.2006