



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



FSP350-601UC (Active PFC & RoHS Compliant)
350 Watts, ATX12V, EPS12V, 1U Switching Power Supply

Features

- Complied with ATX, ATX12V and EPS12V 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 115Vac operation, and CISPR 22 class B at 230Vac operation
- 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 NO. 60950, TUV EN60950 or VDE EN60950, NEMKO EN60950 (CB Report), CE

Input Characteristics

Input Range: 90 ~ 265Vac (RMS), Full Range Input

Frequency: 47 ~ 63Hz

Input Current: 6A (RMS) @115Vac, 3A (RMS) @230Vac

Inrush Current: 80A Max @115Vac, 120A Max @230Vac cold start

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.2A	16A	± 5%	± 1%	50mV P-P
+5V	0.2A	16A	± 5%	± 1%	50mV P-P
+12V1	0.2A	18A	± 5%	± 1%	120mV P-P
+12V2	0.2A	16A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.5A	± 10%	± 2%	120mV P-P
+5Vsb	0.1A	2.5A	± 5%	± 1%	50mV P-P

*+5V and +3.3V total output not exceed 132W

*+12V1 & +12V2 total current not exceed 28A

*+3.3V, +5V, and +12V total output cannot exceed 332W

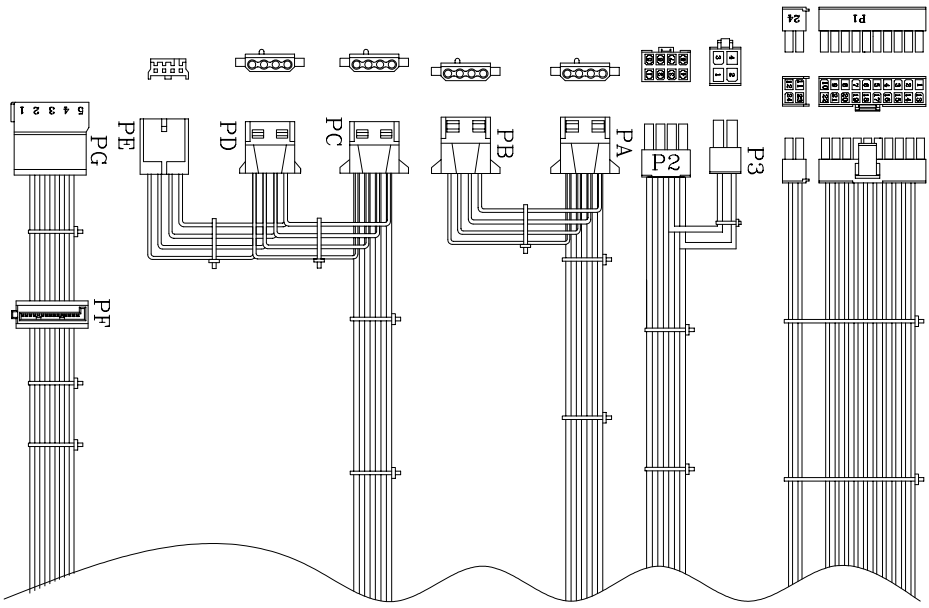
* This subject power supply is 350W

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:** Input to frame ground 1800 VAC for 1 second
- **Efficiency:** 70% at minimum measured at nominal AC main voltage and frequency with maximum load on all outputs
- **Rise time:** Less than 20ms
- **Hold-up Time:** 18ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Not exceed 3.5mA at 264Vac, 50Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 250x100x40.5mm/9.8x3.9x1.6inch

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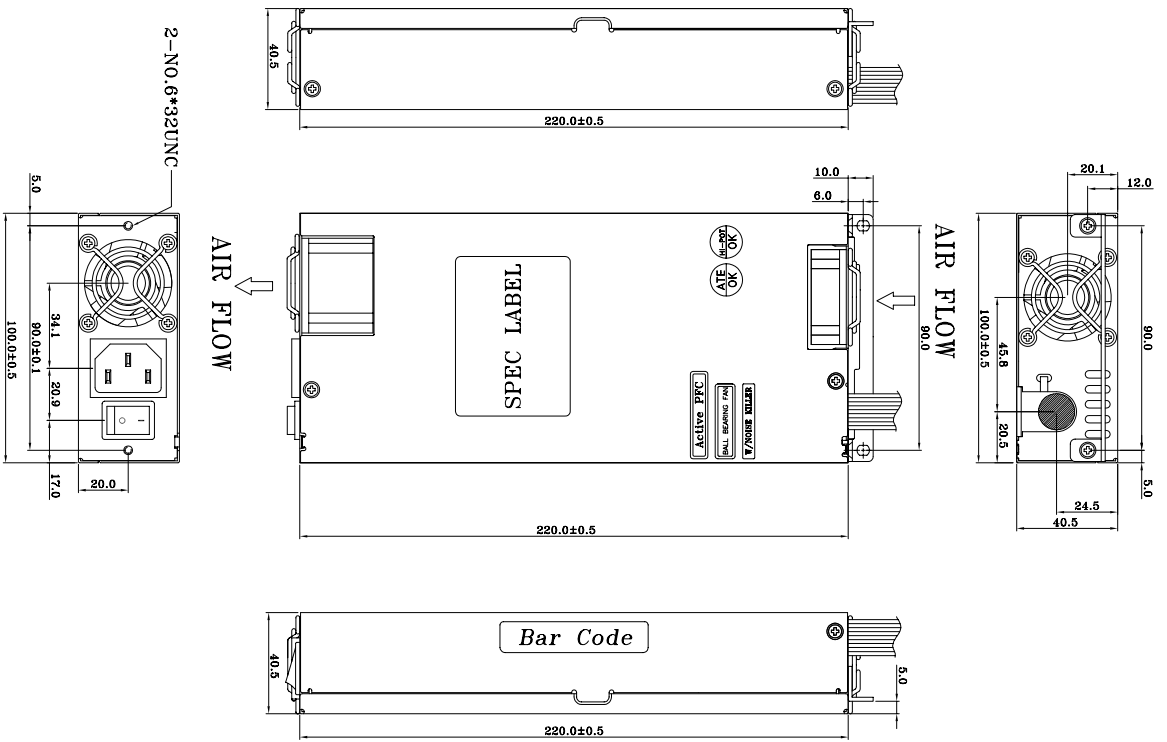
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 17071 Green Drive
 City of Industry, CA 91745
 TEL: 626-839-7180
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NOTE:

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

UNIT:mm



REF. ID. NO.	PIN	SIGNAL	WIRE COLOR	GAUZER TYPE	CONNECTOR TYPE	LENGTH	
P1	1	+3.3VDC	ORANGE	18	LTP	695±20	
	2	+3.3VDC	ORANGE	18	Female	mm	
	3	COM	BLACK	18	Female	mm	
	4	+5VDC	RED	18	Female	mm	
	5	COM	BLACK	18	Female	mm	
	6	+5VDC	RED	18	Female	mm	
	7	COM	BLACK	18	Female	mm	
	8	PW-OK	GRAY	18	Female	mm	
	9	+5Vsb	PURPLE	18	Female	mm	
	10	+12V2	YELLOW	18	Female	mm	
	11	+12V2	YELLOW	18	Female	mm	
	12	+3.3VDC	ORANGE	18	Female	mm	
	13	+3.3VDC	BROWN	22	Female	mm	
	14	-12VDC	BLUE	18	Female	mm	
	15	COM	BLACK	18	Female	mm	
	16	PS-ON	GREEN	18	Female	mm	
	17	COM	BLACK	18	Female	mm	
	18	COM	BLACK	18	Female	mm	
P2	1	COM	BLACK	18	NO.1EX	695±20	
	2	COM	BLACK	18	NO.1EX	mm	
	3	COM	BLACK	18	NO.1EX	mm	
	4	COM	BLACK	18	NO.1EX	mm	
	5	+12V1	YEL./BLACK	18	NO.1EX	mm	
	6	+12V1	YEL./BLACK	18	NO.1EX	mm	
	7	+12V1	YEL./BLACK	18	NO.1EX	mm	
	8	+12V1	YEL./BLACK	18	NO.1EX	mm	
	9	COM	BLACK	18	NO.1EX	mm	
	10	COM	BLACK	18	NO.1EX	mm	
	11	COM	BLACK	18	NO.1EX	mm	
	12	COM	BLACK	18	NO.1EX	mm	
	13	COM	BLACK	18	NO.1EX	mm	
	14	COM	BLACK	18	NO.1EX	mm	
	15	COM	BLACK	18	NO.1EX	mm	
	16	COM	BLACK	18	NO.1EX	mm	
	P3	1	COM	BLACK	18	NO.1EX	100±10
		2	COM	BLACK	18	NO.1EX	mm
3		+12V1	YEL./BLACK	18	NO.1EX	mm	
4		+12V1	YEL./BLACK	18	NO.1EX	mm	
PA	1	+12V2	YELLOW	18	AMP	500±20	
	2	COM	BLACK	18	AMP	mm	
	3	COM	BLACK	18	AMP	mm	
	4	+5V	RED	18	AMP	mm	
PB	1	+12V2	YELLOW	18	AMP	200±10	
	2	COM	BLACK	18	AMP	mm	
	3	COM	BLACK	18	AMP	mm	
	4	+5V	RED	18	AMP	mm	
PC	1	+12V2	YELLOW	18	AMP	200±10	
	2	COM	BLACK	22	AMP	mm	
	3	COM	BLACK	22	AMP	mm	
	4	+5V	RED	22	AMP	mm	
PD	1	+12V2	YELLOW	18	AMP	500±20	
	2	COM	BLACK	18	AMP	mm	
	3	COM	BLACK	18	AMP	mm	
	4	+5V	RED	18	AMP	mm	
PE	1	+12V2	YELLOW	18	AMP	200±10	
	2	COM	BLACK	22	AMP	mm	
	3	COM	BLACK	22	AMP	mm	
	4	+5V	RED	22	AMP	mm	
PF	1	+12V2	YELLOW	18	AMP	500±20	
	2	COM	BLACK	18	AMP	mm	
	3	+5V	RED	18	AMP	mm	
	4	COM	BLACK	18	AMP	mm	
PG	1	+12V2	YELLOW	18	AMP	200±10	
	2	COM	BLACK	18	AMP	mm	
	3	+5V	RED	18	AMP	mm	
	4	COM	BLACK	18	AMP	mm	

FSP P/N.:9PA3506001
SPI P/N.:FSP350-601UC

MODEL NO. : FSP350-601UC(S031)	TITLE: ASSY	SHEET: 1 OF 1	REV:01
R&D	PF	DRAWN	DATE
INTERIOR COUNTERSIGN:			Mar.13.2006
			黃鈺婷