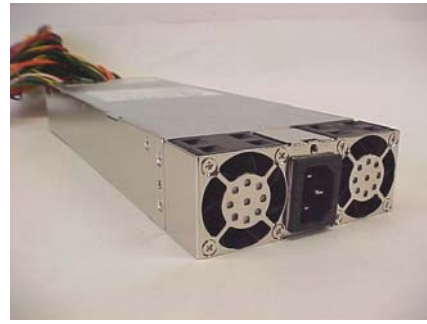




Sparkle Power Inc.
 A Leading Power Supply Manufacturer
 Web site: www.sparklepower.com



FSP460-601U (Active PFC & RoHS Compliant)
460 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: 9A (RMS) @115Vac, 5A (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	0.5A	30A	+5%/4%	± 1%	50mV P-P
+5V	0.5A	30A	+5%/4%	± 1%	50mV P-P
+12V	2.0A	32A	+5%/4%	± 1%	120mV P-P
-5V	0.0A	0.3A	± 10%	± 1%	120mV P-P
-12V	0.0A	0.8A	+9%/5%	± 2%	120mV P-P
+5Vsb	0.0A	2.0A	+5%/4%	± 1%	50mV P-P

*+5V and +3.3V total output not exceed 200W

*+3.3V, +5V, and +12V total output cannot exceed 440W

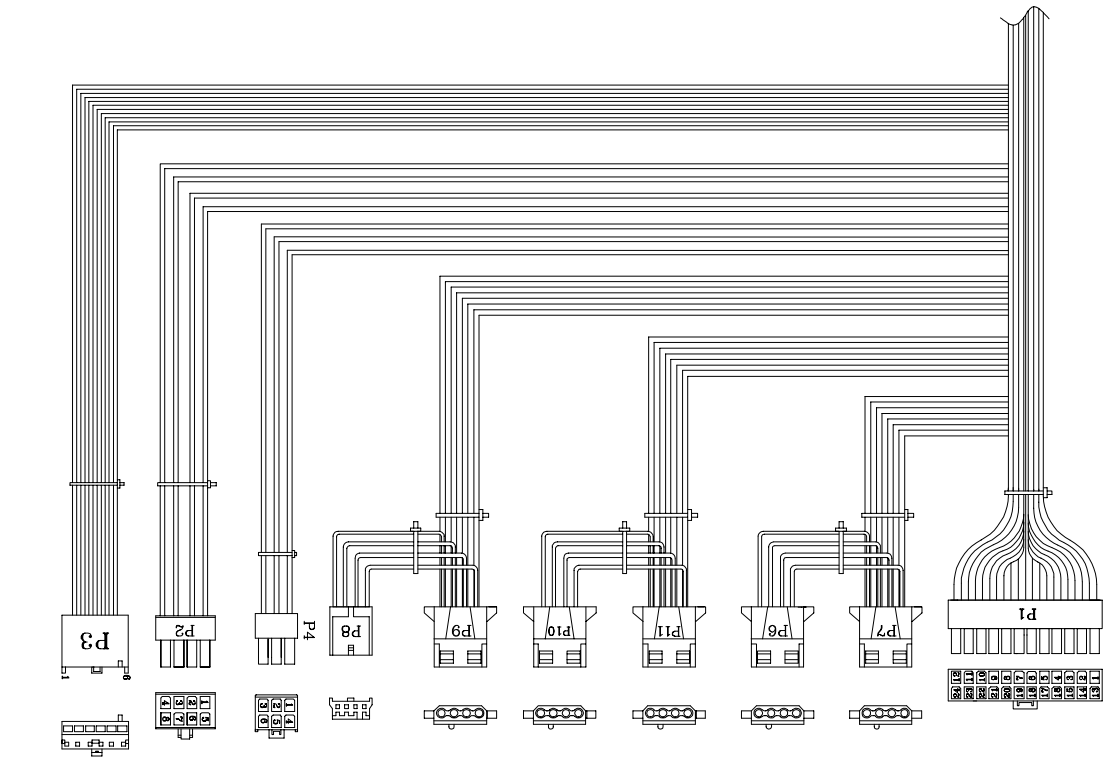
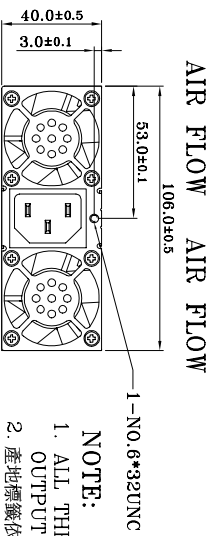
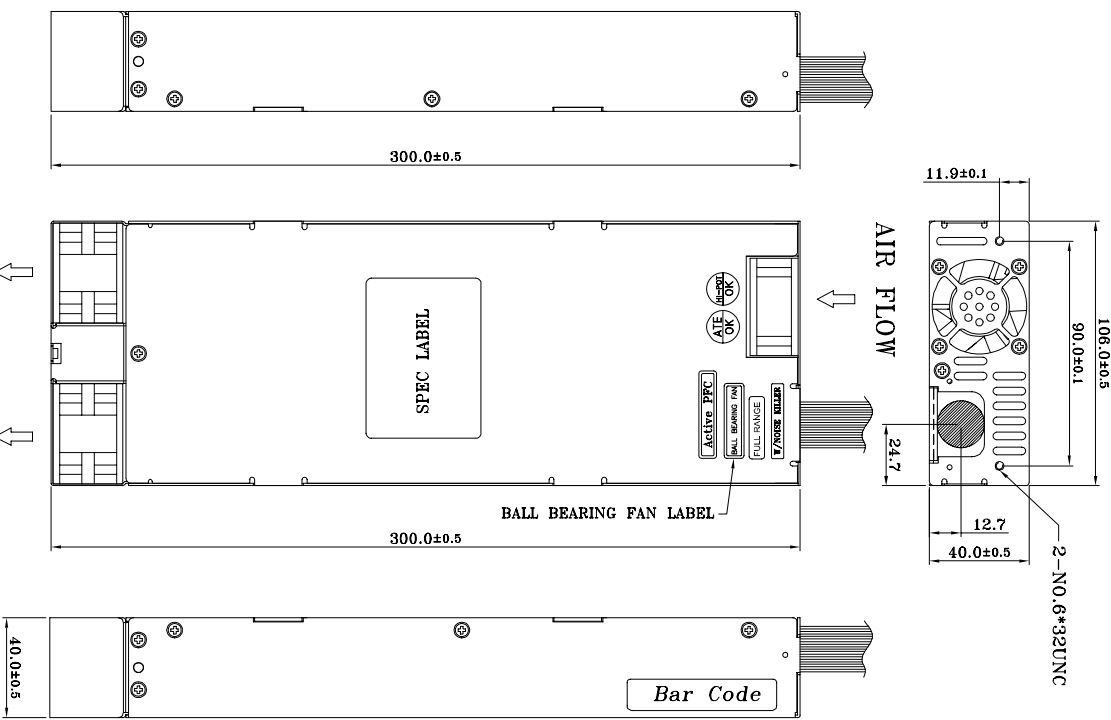
* This subject power supply is 460W

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:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all outputs
- **Rise time:** Less than 50ms
- **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):** 300x106x40mm/11.8x4.2x1.6inch

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 TEL: 626-839-7180
 FAX: 626-839-3395



REF. ID	PN	SIGNAL	WIRE	GAUGE	CONNECTOR	CABLE LENGTH
P1	1	+3.3VDC	ORANGE	18	MOLEX 500 or EQUIV. ±15.0 mm	
	2	+3.3VDC	ORANGE	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
	5	COM	BLACK	18		
	6	+5VDC	RED	18		
	7	COM	BLACK	18		
	8	PS-ON	GREEN	18		
	9	+5VSB	PURPLE	18		
	10	+12VDC	YELLOW	18		
	11	+12VDC	YELLOW	18		
	12	+3.3VDC	ORANGE	18		
	13	+3.3VDC	BROWN	22		
	14	-12VDC	BROWN	18		
	15	COM	BLACK	18		
	16	PS-ON	GREEN	18		
	17	COM	BLACK	18		
	18	COM	BLACK	18		
	19	COM	BLACK	18		
	20	-5VDC	WHITE	18		
	21	+5VDC	RED	18		
	22	+5VDC	RED	18		
	23	+5VDC	RED	18		
	24	COM	BLACK	18		
P3	1	COM	BLACK	18	MOLEX 500 or EQUIV. ±15.0 mm	
	2	COM	BLACK	18		
	3	+3.3VDC	ORANGE	18		
	4	+3.3VDC	ORANGE	18		
P7	1	+5V	RED	18	AMP -480424-0 or EQUIV. ±10.0 mm	
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P6	1	+12V	YELLOW	18	AMP -480424-0 or EQUIV. ±10.0 mm	
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P11	1	+12V	YELLOW	18	AMP -480424-0 or EQUIV. ±15.0 mm	
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P10	1	+12V	YELLOW	18	AMP -480424-0 or EQUIV. ±10.0 mm	
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P9	1	+12V	YELLOW	18	AMP -480424-0 or EQUIV. ±15.0 mm	
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P8	1	+12V	YELLOW	22	AMP 171822-4 or EQUIV. ±10.0 mm	
	2	COM	BLACK	22		
	3	COM	BLACK	22		
	4	+5V	RED	22		
P4	1	+3.3VDC	ORANGE	18	MOLEX 500 or EQUIV. ±15.0 mm	
	2	+3.3VDC	ORANGE	18		
	3	+12V	YELLOW	18		
	4	COM	BLACK	18		
	5	COM	BLACK	18		
P2	1	+12V	YELLOW	18	MOLEX 500 or EQUIV. ±15.0 mm	
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+12V	YELLOW	18		
	5	+12V	YELLOW	18		

FSP P/N.:9PA4600507
 SPI P/N.:FSP460-601UR

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

MODEL NO. : FSP460-601U(S034)	TITLE: ASSY	SHEET: 1 OF 1	REV: 01
R&D	PE	DRAWN	DATE
INTERIOR COUNTERSIGN:			Aug.26.2005

黄钰婷