



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



**FSP400-601UC (Active PFC & RoHS Compliant)**  
**400 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 30A

\*+3.3V, +5V, and +12V total output cannot exceed 385W

\* This subject power supply is 400W

**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):** 220x100x40.5mm/8.7x3.9x1.6inch

**Sparkle Power Inc.**  
**Main Office**  
 1000 Rock Avenue  
 San Jose, CA 95131  
 TEL: 408-519-8888  
 FAX: 408-519-9999  
 E-MAIL: [info@sparklepower.com](mailto:info@sparklepower.com)

**Sparkle Power Inc.**  
**Los Angeles Office**  
 17071 Green Drive  
 City of Industry, CA 91745  
 TEL: 626-839-7180  
 FAX: 626-839-3395