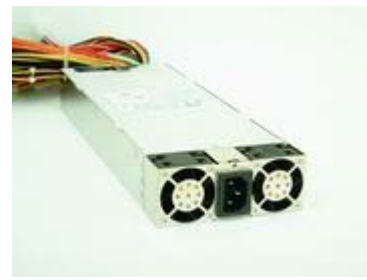




Sparkle Power Inc.

A Leading Power Supply manufacturer
Web site: www.sparklepower.com



FSP400-621U

400 Watts EPS1U Switching Power Supply

Features

- Complied with EPS1U standard
- Active Power Factor Correction Meeting with 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 and CISPR 22 Class B
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Approved by UL 1950, CSA C22.2 Level 3, TUV EN60950 or VDE EN60950, NEMKO EN60950 (CB Report), CE

Input Characteristics

Input Range: 90~265V AC, Full Range Input

Frequency: 47~63Hz

Input Current: 9A (RMS) @115V AC, 5A (RMS) @230V AC

Inrush Current: 80A Max for 115V AC, 120A Max for 230V AC Cold start

Specification

- **Temperature Range:** Operating 0° C ~ +50° C on full load; storage & shipping -20° C ~ +80° C
- **Humidity:** 95% on operating and 95% on storage
- **Dielectric Withstand:** Input to frame ground 1800V AC for 1 second
- **Efficiency:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
- **Rise Time:** Less than 50ms
- **Hold-up Time:** 18ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ms to 500 ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Not exceed 0.75mA at 115V AC, 60Hz
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 106x40x300mm/4.2"x1.6"x11.8" inches

Output Characteristics

| Output Voltage | Minimum Load | Maximum Load | Load Reg. | Line Reg. | Ripple & Noise |
|----------------|--------------|--------------|-----------|-----------|----------------|
| +3.3V | 0.5A | 30.0A | + 5%/-4% | ± 1% | 50mV P-P |
| +5V | 0.5A | 30.0A | + 5%/-4% | ± 1% | 50mV P-P |
| +12V1 | 1.0A | 14.0A | + 5%/-4% | ± 1% | 120mV P-P |
| +12V2 | 1.0A | 12.0A | + 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 | 2.0 A | +5%/-4% | ± 1% | 50mV P-P |

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

*+3.3V, +5V, and +12V total output cannot exceed 380W

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

Sparkle Power Inc.

Los Angeles Office

17071 Green Drive
City of Industry, CA 91745
TEL: 626-839-7180
FAX: 626-839-3395

Sparkle Power Inc.

Colorado Office

1316 Indian Paintbrush Lane
Longmont, CO 80503
TEL: 303-776-3281
FAX: 303-776-7645