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

FSP400-60WAP

(80PLUS Platinum, RoHs Compliant)

400 Watts, 2U Switching Power Supply



Features

- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency 80plus Platinum and reliability
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Low noise and ripple
- 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 : UL/CUL60950-1 2nd TUV EN60950-1 2nd, CB 60950-1 2nd , FCC, EMC, CE

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C on full load; Storage & shipping: -20°C ~ +80°C
- **Humidity:** Operation : 85% RH, Non-condensing. Storage : 95% RH, Non-condensing.
- **Dielectric Withstand:** Primary frame ground 1800V AC for 2 second
- **Altitude:** operating up to 5K Meter.
- **Meet ErP:** 5Vsb power is less than 0.45W input at power off mode (PS_ON input at high state) which is comply with EuP Lot 6 , year 2013 requirement.
- **Efficiency:** Typical > 92%
- **Rise time:** Less than 20ms
- **Hold-up Time:** 115V/60Hz :12ms minimum 230V/50Hz :16ms minimum
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA at 264Vac, 50Hz
- **MTBF:** 100,000 hours on maximum load at +25°C

Dimensions (LxWxH): 200x100x40.5 mm / 7.87x3.9x 1.59 inch

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 6.3A @ 115Vac, 3.0A @ 230Vac
Inrush Current: No Damage

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.3A	14A	± 5%	50mV P-P
+5V	0.3A	18A	± 5%	50mV P-P
+12V1	0.5A	18A	± 5%	120mV P-P
+12V2	0.5A	18A	± 5%	120mV P-P
-12V	0A	0.5A	± 10%	120mV P-P
+5Vsb	0A	3A	± 5%	50mV P-P

*+3.3V and +5V total output not exceed 110W
* Total output for this subject power supply is 400W

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