



# Sparkle Power Inc.

A Leading Power Supply Manufacturer

Web site: [www.sparklepower.com](http://www.sparklepower.com)



## FSP040-RHAN2

**(Efficiency Level VI, RoHS Compliant)**

**40 Watts Power Adapter**

### Features

- High efficiency and reliability
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances).
- Low noise and ripple
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by CUL/UL60950-1 2<sup>nd</sup> TUV EN60950-1 2<sup>nd</sup>, CB 60950-1 2<sup>nd</sup>, FCC, EMC

### Input Characteristics

**Input Range:** 90 ~ 264Vac (RMS), Full Range Input

**Frequency:** 47 ~ 63Hz

**Input Current:** Max 1.1A (RMS) @ 115Vac, 0.8A (RMS) @ 230Vac

**Inrush Current:** No damage.

### Specification

- **Temperature Range:** Operating: 0°C ~ +40°C; storage & shipping: -20°C ~ +75°C
- **Humidity:** 90% on operating, 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V<sub>AC</sub> for 3 second
- **Average Efficiency:** Efficiency Level VI & ErP Teir 2
- **No Load Power Consumption:** Less than 0.075W
- **Turn-on Delay Time:** Less than 3s
- **Hold-up Time:** 5 ms minimum at 115Vac input and max output loading
- **Leakage Current:** Less than 250uA at 264Vac, 60Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Altitude:** 5,000M
- **Dimensions (LxWxH):** 110x50x32mm

### Output Characteristics

SPI Model	Output Voltage	Output Current	Load Reg.	Ripple & Noise	Connector Type	Connector IDxODxL	Dc cable Length (mm)
AD040RHAN2-J21	12V	3.33A	± 5%	120mV P-P	Barrel 180°	2.1x5.5x9.5	1500
AD040RHAN2-J25	12V	3.33A	± 5%	120mV P-P	Barrel 180°	2.5x5.5x12	1500

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