



# Sparkle Power Inc.

A Leading Power Supply manufacturer  
Web site: [www.sparklepower.com](http://www.sparklepower.com)



## FSP400-60DL(48V)

### 300 Watts -48V DC Input ATX12V Switching Power Supply

#### Features

- Complied with ATX and ATX12V standard
- -48V DC Input
- 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 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 60950, CSA 22.2 Level 3, TUV EN60950, NEMKO (CB Report), CE

#### 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
- **Efficiency:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
- **Rise Time:** Less than 20ms
- **Power Good Signal:** Power on delay time 100 ms to 500 ms, off delay 1ms minimum (TTL and CMOS compatible)
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x140mm/5.9"x3.4"x5.5" inches

#### Input Characteristics

**Input Range:** -36~-72V DC

**Input Line Current:** -36V DC 18A (RMS)

#### Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Peak	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.3A	28A		± 5%	± 1%	50mV P-P
+5V	0.1A	40A		± 5%	± 1%	50mV P-P
+12V	0.0A	15A	18A	± 5%	± 1%	120mV P-P
-5V	0.0A	0.3A		± 5%	± 1%	100mV P-P
-12V	0.0A	0.8A		± 5%	± 1%	120mV P-P
+5Vsb	0.0A	2.0 A		± 5%	± 1%	50mV P-P

\*+5V and +3.3V total output not exceed 235W

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

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