

# SMX POWER

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[www.smxpower.com](http://www.smxpower.com)

## FSP275-50BW

### 275 Watts Switching Power Supply



#### Features

- Complied with CFX12V 1.1 Standard
- 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 60950 , CSA C22.2 Level 3, TUV EN60950, NEMKO (CB Report), CE, CCIB GB4943-90

#### Input Characteristics

**Input Range:** 90~135/180~265V AC, Manual selection

**Frequency:** 47~63Hz

**Input Current:** 6A (RMS) @115V AC, 3A (RMS) @230V AC

#### Specification

- **Temperature Range:** Operating +10° C ~ +50° C on full load; storage & shipping -40° C ~ +70° C
- **Humidity:** 85% on operating and 95% on storage
- **Dielectric Withstand:** Input to frame ground 1800V AC for 1 second
- **Efficiency:** 70% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
- **Rise Time:** Less than 20ms
- **Hold-up Time:** 17ms 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 3.5mA at 115V AC, 60Hz
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x95mm/5.9"x3.4"x3.8" inches

#### Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Peak Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	13A		± 5%	± 1%	50mV P-P
+5V	0.3A	14.5A		± 5%	± 1%	50mV P-P
+12V	1.0A	18A	19.5A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.3A		± 10%	± 2%	120mV P-P
+5Vsb	0.0A	2.0 A	2.5A	± 5%	± 1%	50mV P-P

\*+5V and +3.3V total output not exceed 110W

\*+3.3V, +5V, and +12V total output cannot exceed 253W