

SMX POWER

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FSP550-60PLG

550 Watts EPS12V Switching Power Supply

Features

- Complied with EPS12V 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 UL60950, CSA C22.2 NO.60950, TUV EN60950, NEMKO EN60950 (CB Report), CE

Input Characteristics

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

Frequency: 47~63Hz

Input Current: 10A (RMS) @115V AC, 5A (RMS) @230V AC

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

Output Characteristics

| Output Voltage | Minimum Load | Maximum Load | Load Reg. | Line Reg. | Ripple & Noise |
|----------------|--------------|--------------|-----------|-----------|----------------|
| +3.3V | 0.4A | 27.0A | +5%/-4% | ± 1% | 50mV P-P |
| +5V | 3.0A | 29.0A | +5%/-4% | ± 1% | 50mV P-P |
| +12V | 1.5A | 36.0A | +5%/-4% | ± 1% | 120mV P-P |
| -5V | 0.0A | 0.3A | ± 10% | ± 2% | 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 150W

*+3.3V, +5V, and +12V total output cannot exceed 528W

Specification

- **Temperature Range:** Operating 0° C ~ +25° 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:** 63% 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 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 3.5mA at 264VAC/ 60Hz
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x140mm/5.9"x3.4"x5.5" inches