

SMX POWER

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ATX-350PN

350 Watts ATX12V 2.01 Switching Power Supply

Features

- Complied with ATX12V 2.0 standard
- High efficiency, Low noise and ripple and reliability
- Remote On/Off function
- Internal 12V DC fan included
- Noise Killer (Thermal fan speed control function)
- 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, TUV, IEC 60950, NEMKO + CB Report

Input Characteristics

Input Range: 100~132Vrms or 200~264Vrms, manual selection.

Frequency: 47~63Hz

Input Current: 8A (RMS) @115Vrms/60Hz, 4A (RMS) @ 230Vrms/50Hz.

Inrush Current: 100A Max cold start, 120A Max warm start measured at 264Vrms/50Hz

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	11A	22A	± 5%	± 1%	50mV P-P
+5V	1.0A	10.5A	21A	± 5%	± 1%	50mV P-P
+12V1DC	1.0A	5A	18A	± 5%	± 1%	120mV P-P
+12V2DC	1.0A	7.5A	16A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.15A	0.3A	± 10%	± 2%	120mV P-P
+5Vsb	0.0A	1A	2.0 A	± 5%	± 1%	50mV P-P

*+3.3V and +5V total output not exceed 130W

When +3.3V is load to 22A, the +5V maximum load is 11.4A

When +3.3V is load to 7.5A, the +5V maximum load is 21A

*+12V1+12V2 total output not exceed 300W

*+3.3V, +5V, +12V1, and +12V2 total output not exceed 335W

Specification

- **Temperature Range:** Operating 0° C ~ +25° C on full load; De-rate 2W/C from +25° C to +50° C.
Storage & shipping -20° C ~ +65° C
- **Humidity:** 90% on operating and 95% on storage
- **Dielectric Withstand:** Input to frame ground 1800V AC for 1 second
- **Insulation Resistance:** 20 Meg. Ohm Min.
- **Efficiency:** 70% minimum measured at nominal AC main voltage with maximum load on all outputs
- **Rise Time:** Less than 20mS on all outputs.
- **Hold-up Time:** 12ms minimum at 115V, 16ms minimum at 230VAC
- **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
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 150x86x140mm/6"x3.4"x5.5" inches