

# SMX POWER

3005 Avenida Simi, Simi Valley, CA 93063

TEL: (805) 582-2804 FAX: (805) 582-2308

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



## ATX-350PA

### 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:**  $\pm 10\%$  of 115Vrms/57~63Hz,  $\pm 10\%$  of 230Vrms/47~53Hz, manual selection.

**Input Current:** 8A (RMS) @115VAC/60Hz, 4A (RMS) @230V AC/50Hz.

**Inrush Current:** 100A Max cold start, 120A Max warm start measured at 115Vrms/60Hz

#### Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	11A	22A	$\pm 5\%$	$\pm 1\%$	50mV P-P
+5V	1.0A	11A	21A	$\pm 5\%$	$\pm 1\%$	50mV P-P
+12V1DC	1.0A	9A	18A	$\pm 5\%$	$\pm 1\%$	100mV P-P
+12V2DC	1.0A	8A	16A	$\pm 5\%$	$\pm 1\%$	100mV P-P
-12V	0.0A	0.15A	0.3A	$\pm 10\%$	$\pm 2\%$	100mV P-P
+5Vsb	0.0A	1A	2.0 A	$\pm 5\%$	$\pm 1\%$	50mV P-P

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

+3.3V is load on 22A then +5V maximum load is 11.4A; +5V is load on 22A then +3.3V maximum load is 6A

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

\*+3.3V, +5V, +12V1, and +12V2 total output not exceed 336W

#### Specification

- **Temperature Range:** Operating  $0^{\circ}\text{C} \sim +25^{\circ}\text{C}$  on full load; De-rate 2W/C from  $+25^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .  
Storage & shipping  $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- **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/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  $+25^{\circ}\text{C}$  degree
- **Dimension (WxHxL):** 150x86x140mm/6"x3.4"x5.5" inches