



Sparkle Power Inc.
A Leading Power Supply Manufacturer
Web site: www.sparklepower.com

ATX-350PA (RoHS Compliant)

350 Watts ATX12V-2.2 Switching Power Supply

Features

- Complied with ATX12V standard
- High efficiency and reliability, low noise and ripple
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Noise Killer (thermal fan speed control function)
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by UL60950, CSA C22.2 NO. 60950, TUV EN60950 or VDE EN60950, NEMKO EN60950 (CB Report)

Input Characteristics

Input Range: $\pm 10\%$ of 115Vrms/57~63Hz or 230Vrms/47~53Hz,
Manual Selection

Input Current: 8A (RMS) @115Vac, 4A (RMS) @230Vac

Inrush Current: No Damage

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Peak Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	15.9A	22.0A		$\pm 5\%$	$\pm 1\%$	50mV P-P
+5V	1.0A	9.5A	21.0A		$\pm 5\%$	$\pm 1\%$	50mV P-P
+12V1	1.0A	7.9A	18.0A		$\pm 5\%$	$\pm 1\%$	100mV P-P
+12V2	1.0A	11.9A	16.0A	16.5A	$\pm 5\%$	$\pm 1\%$	100mV P-P
-12V	0.0A	0.3A	0.3A		$\pm 10\%$	$\pm 2\%$	100mV P-P
+5Vsb	0.0A	1.0A	2.5A	3.5A	$\pm 5\%$	$\pm 1\%$	50mV P-P

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

*+12V1 and +12V2 total output not exceed 300W, +3.3V & +5V & 12V1& 12V2 total output not exceed 335W

*+12V2 Peak loading, Min Voltage during peak is >11.0Vdc

* Total output for this subject power supply is 350W

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Specification

- **Temperature Range:** Operating: $0^{\circ}\text{C} \sim +50^{\circ}\text{C}$, Full load at 25°C , De-rate $2\text{W}/^{\circ}\text{C}$ from 25°C to 50°C ;
- **Storage & shipping:** $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- **Humidity:** 5 ~ 95% on operating and storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** 70% minimum measured at normal AC mains voltage and frequency with full load
- **Rise time:** Less than 20ms
- **Hold-up Time:** 16ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA
- **MTBF:** 100,000 hours on maximum load at $+25^{\circ}\text{C}$
- **Dimensions (LxWxH):** 140x150x86mm/5.5x5.9x3.4inch

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