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Data Sheet

August 2, 2026

ARK TECHNOLOGIES

Ark Technologies KY-ATX 500 ATK P4 Power Supply

The Ark Technologies KY-ATX 500 is an ATX P4 power supply designed for desktop computers. It provides reliable power to your system components, ensuring stable performance and efficient operation. Ideal for basic computing needs, this power supply offers a standard ATX form factor for easy installation in most computer cases.



MODEL

**Ark Technologies
KY-ATX 500**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

KY-ATX 500

LISTING

<https://aumictechlabs.com/products/ky-atx-500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ark Technologies KY-ATX 500 is a 500 W ATX12V switching power supply engineered for standard ATX desktop computer systems. It delivers multiple regulated DC voltage rails and supports dual-voltage AC input, enabling operation across 50 Hz and 60 Hz power grids. The unit incorporates a thermal management fan and occupies a compact footprint of 140.0 mm × 150.0 mm × 86.0 mm, weighing 1800 g. Technical Specifications Electrical Performance AC Input: 115 VAC @ 5 A, 60 Hz | 230 VAC @ 2.5 A, 50 Hz DC Output Rails: +3.3V, +5V, +12V, -5V, -12V, +5Vsb (standby) Maximum Power: 500 W Connectors 24-Pin ATX (20+4 pin compatible) 4-Pin 12V (ATX12V / P4) SATA I Floppy Drive Connector Molex (LP4) Mini-Power (SP4) Physical & Environmental Dimensions: 140.0 mm L × 150.0 mm W × 86.0 mm H Weight: 1800 g Operating

Temperature: 0°C to 40°C Storage Temperature: -20°C to 80°C Humidity: 10% to 90% RH (non-condensing) Key Features Dual-voltage AC input supports international grid standards Backward-compatible 20+4 pin ATX connector accommodates legacy motherboards Integrated thermal management via fan Complete rail configuration including negative voltage outputs for legacy circuitry support Typical Applications The KY-ATX 500 suits standard desktop platforms requiring mid-range power delivery, including systems with P4 processors and compatible architecture generations. Compatibility & Integration The unit meets ATX and ATX P4 form factor specifications. The 20+4 pin connector enables installation in both 20-pin and 24-pin motherboard configurations. Complete connector library - including SATA I, floppy, Molex, and Mini-Power - supports mixed peripheral loading across modern and legacy device interfaces.

Features & description

From manufacturer datasheet

Features

• ATX / ATX12V switching power supply • About 400-500 W class (verify label) • Pentium 4 / ATK P4 era connector support • Dual-fan class variants (KY-500ATX family) • Selectable 115/230 Vac input (family) • Standard ATX rails including +3.3/+5/+12/-5/-12/+5SB • PS-ON and Power Good (POK)

KYATX500 Characteristics / Specifications

PARAMETER	VALUE
Model	KY-ATX 500 (KY-ATX-500 / KY-500ATX class)
Manufacturer	Ark Technologies (Max Power class OEM variants exist)
Instrument Type	ATX desktop switching power supply
Input (family)	115/230 Vac selectable; 50/60 Hz
Output Power	about 400 W AUX class on related KY-500ATX sheets (confirm unit label for 500 W class)
Form Factor	ATX; related dimensions about 150 × 86 × 169 mm class
Cooling	fan(s); dual-fan on some KY-500ATX versions Standard Operating Conditions Set 115/230 Vac switch correctly before connecting mains. Use adequate case airflow. Match 20/24-pin ATX and P4 4-pin/EPS connectors to the motherboard. Do not exceed labeled rail currents.

KYATX500 Specifications

PARAMETER	VALUE
Applications	Desktop PC / industrial PC ATX power for P4-era motherboards; replacement ATX12V supplies in legacy workstations and embedded ATX chassis.
Key Features	- ATX / ATX12V switching power supply
Technical Specifications	Model: KY-ATX 500 (KY-ATX-500 / KY-500ATX class)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	KY-ATX 500 (KY-ATX-500 / KY-500ATX class)
Manufacturer	Ark Technologies (Max Power class OEM variants exist)
Instrument Type	ATX desktop switching power supply
Input (family)	115/230 Vac selectable; 50/60 Hz
Output Power	about 400 W AUX class on related KY-500ATX sheets (confirm unit label for 500 W class)

Typical Rails (related KY-500ATX sheet): +3.3 V, +5 V, +12 V, -5 V, -12 V, +5SB
Form Factor: ATX; related dimensions about 150 x 86 x 169 mm class
Cooling: fan(s); dual-fan on some KY-500ATX versions

Standard Operating Conditions
Set 115/230 Vac switch correctly before connecting mains. Use adequate case airflow. Match 20/24-pin ATX and P4 4-pin/EPS connectors to the motherboard. Do not exceed labeled rail currents.

Operational Notes
User title "ATK P4" indicates Pentium 4 ATX12V-era wiring. Confirm continuous vs peak wattage on the rating label-marketing "500" names often rate peak above continuous.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.