

## Kratax J818

# Kratax 1.5V Rechargeable AA Lithium Batteries with Intelligent Charger User Manual

Model: J818

## INTRODUCTION

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Thank you for choosing Kratax 1.5V Rechargeable AA Lithium Batteries and Intelligent Charger. This manual provides essential information for the safe and efficient use of your new product. Please read it thoroughly before use and retain it for future reference.

## PRODUCT OVERVIEW

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The Kratax rechargeable AA lithium battery system offers a reliable and long-lasting power solution for various electronic devices. This package includes 16 AA lithium-ion batteries and an intelligent multi-slot charger.

### Key Features:

- **High Capacity:** 3500mWh (equivalent to 2333mAh) for extended device operation.
- **Stable 1.5V Output:** Provides a consistent voltage until depletion, ensuring optimal device performance.
- **Long Cycle Life:** Designed for over 1600 recharge cycles, offering significant long-term value.
- **Intelligent Charger:** Features a display for monitoring charging progress, automatic battery type recognition, and auto power-off upon full charge for safety and extended battery life.
- **Multi-Protection System:** Built-in safeguards against overcharge, overvoltage, overcurrent, over-discharge, and reverse polarity.
- **Wide Compatibility:** Suitable for high-current devices such as game controllers, outdoor cameras, motorized toys, remote controls, smart home devices, and microphones. (*Note: Not applicable for camera flashes.*)
- **Durable Design:** Incorporates an exhaust explosion-proof design and an anti-leak stainless steel

gasket for enhanced safety and longevity.

- **Low Self-Discharge:** Approximately 0.03% per month, significantly lower than Ni-MH batteries, allowing for longer storage without significant power loss.
- **Lightweight:** Each battery weighs approximately 19g, making them lighter than traditional Ni-MH batteries.
- **Certifications:** ROHS, CE, CQC, PSE certified for quality and safety.



Image: Kratax 1.5V Rechargeable AA Lithium Batteries (16-pack) with the intelligent multi-slot charger and two clear storage cases.

## SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- Use only the provided Kratax intelligent charger or a compatible 5V-3A USB adapter with the included Type-C cable.
- Do not attempt to charge non-rechargeable batteries in this charger.
- Do not mix different types or brands of batteries in the charger or device.
- Avoid short-circuiting the batteries.
- Do not expose batteries to fire, extreme heat, or water.

- Do not disassemble, puncture, or modify the batteries or charger.
- Keep batteries and charger out of reach of children and pets.
- If a battery shows signs of leakage, swelling, or damage, discontinue use immediately and dispose of it properly.
- Operate the charger in a well-ventilated area.



Image: Close-up of a Kratax AA lithium battery highlighting the anti-leak stainless steel gasket and safety certifications (RoHS, PSE, CE).

## SETUP

Follow these steps to set up your Kratax battery system:

1. **Unpack Components:** Carefully remove the batteries, intelligent charger, and USB to Type-C charging cable from the packaging.
2. **Connect Charger:** Connect the provided USB to Type-C cable to the charger. Plug the USB-A end of the cable into a compatible 5V-3A USB power adapter (not included).
3. **Power On:** Once connected, the charger's display should illuminate, indicating it is ready for use.



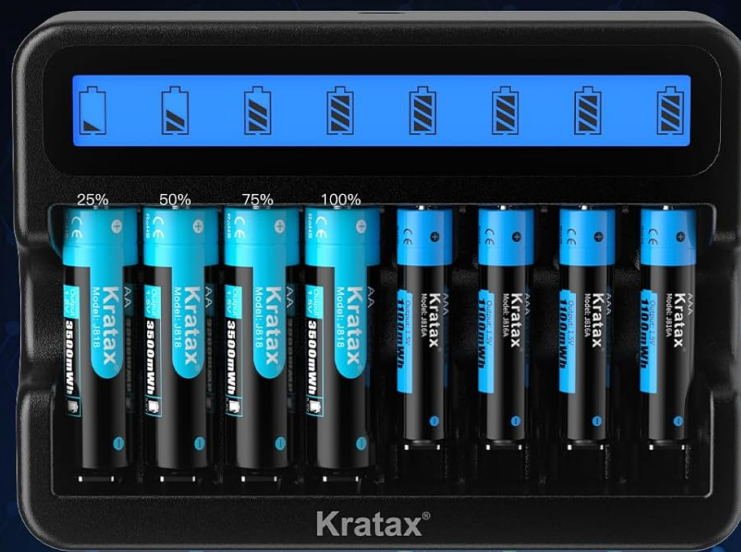
Image: Contents of the Kratax battery package, including the intelligent charger, AA lithium batteries, USB-C charging cable, and a user guide.

## OPERATING INSTRUCTIONS

### Charging the Batteries:

- 1. Insert Batteries:** Place the Kratax AA lithium batteries into the charger slots, ensuring correct polarity (+ and - ends match the charger markings). The intelligent charger will automatically detect the battery type.
- 2. Monitor Charging:** The charger's display will show the charging progress for each battery.
- 3. Automatic Shut-off:** The charger will automatically stop charging once the batteries are fully charged, indicated by the display. This feature protects against overcharging and extends battery life.
- 4. Charging Time:** A full charge typically takes approximately 2.5 hours with a 5V-3A adapter.

Requires 5V–3A Input, USB to Type–C Charging Cable Included, Adapter Not Included



Over charge protection



Over discharge protection



Short circuit protection



Charging protection

Image: Kratax intelligent charger with multiple AA batteries inserted, showing charging indicators on the display and icons for various protection features.

### Using the Batteries:

1. **Insert into Device:** Once charged, insert the batteries into your electronic device, observing the correct polarity.
2. **Consistent Performance:** Kratax 1.5V lithium batteries provide a stable voltage output throughout their discharge cycle, ensuring consistent performance for your devices.
3. **Device Compatibility:** These batteries are ideal for high-drain devices such as game controllers, remote controls, and outdoor cameras.

# EXCELLENT PERFORMANCE

For High-Current Applications



Image: Kratax AA batteries powering a game controller, illustrating their suitability for high-current applications.

## MAINTENANCE

Proper maintenance ensures the longevity and performance of your Kratax batteries and charger:

- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. The low self-discharge rate allows for extended storage.
- **Cleaning:** Periodically clean the battery contacts and charger terminals with a dry, soft cloth to ensure good electrical connection.
- **Disposal:** When batteries reach the end of their life, dispose of them according to local regulations for lithium-ion batteries. Do not dispose of them in household waste.

## TROUBLESHOOTING

If you encounter issues with your Kratax battery system, refer to the following common problems and solutions:

- **Charger Display Not On:**

- Ensure the USB to Type-C cable is securely connected to both the charger and the 5V-3A power adapter.
- Verify that the power adapter is functioning and plugged into a live outlet.

- **Batteries Not Charging:**

- Check that batteries are inserted with correct polarity (+ and -).
- Ensure battery contacts and charger terminals are clean and free of debris.
- The intelligent charger will not charge incorrect battery types; ensure you are using Kratax 1.5V AA lithium batteries.
- If a battery is severely depleted or damaged, the charger may not initiate charging.

- **Device Not Powering On with Charged Batteries:**

- Confirm batteries are inserted correctly into the device with proper polarity.
- Ensure the device itself is functioning correctly.
- Verify the batteries are fully charged.

## SPECIFICATIONS

Feature	Specification
Battery Type	AA Lithium-ion
Model	J818
Voltage	1.5V (Constant Discharge)
Capacity	3500mWh (approx. 2333mAh)
Cycle Life	> 1600 Cycles
Battery Size	50.5mm x 14.6mm
Battery Weight	19g
Charger Input	5V-3A (USB to Type-C)
Approx. Charging Time	2.5 Hours
Operating Temperature	-20°C to 45°C
Certifications	ROHS, CE, CQC, PSE



**HIGH CAPACITY**

## AA RECHARGEABLE LI-ION BATTERY

High Capacity	3500mWh
Voltage	1.5V Constant Voltage Discharge
Size	50.5mm * 14.6mm
Weight	19g
Cyclest	> 1600 times
Charging Time	2H Fast Charge

Image: Visual representation of Kratax AA rechargeable Li-ion battery specifications, including capacity, voltage, size, weight, cycle life, and charging time.

# ENSURE GOOD PERFORMANCE IN EXTREME ENVIRONMENT FROM $-20^{\circ}\text{C}$ TO $45^{\circ}\text{C}$



Image: Kratax AA battery depicted in extreme cold and desert environments, illustrating its performance capability from  $-20^{\circ}\text{C}$  to  $45^{\circ}\text{C}$ .

# Linear Analog Curve

Linear simulation of alkaline battery discharge curves

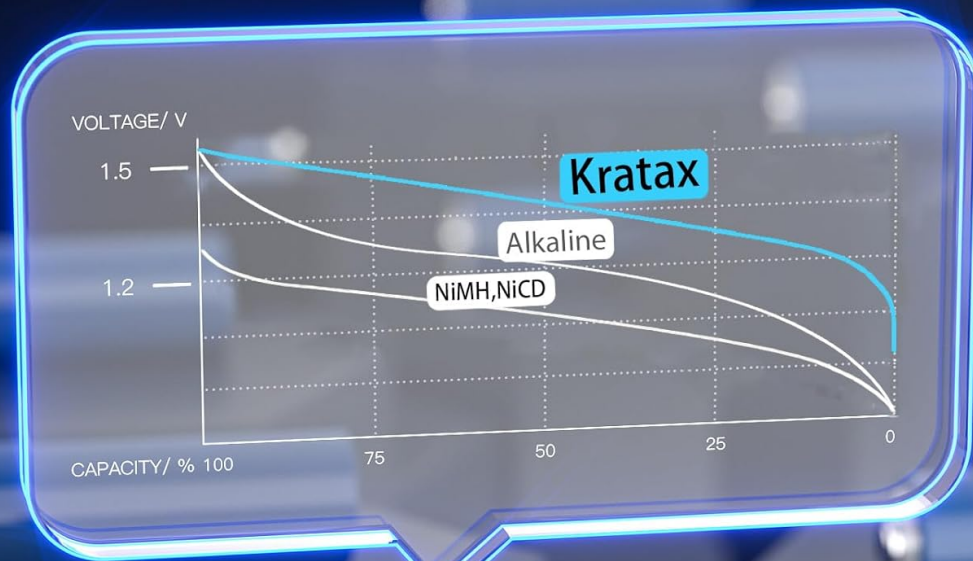


Image: Graph showing the linear discharge curve of Kratax 1.5V batteries compared to alkaline and NiMH/NiCD batteries, demonstrating stable voltage output.

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Kratax website. You can also visit the Kratax store on Amazon for more product details and support options: [Kratax Amazon Store](#).