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> Kratax Rechargeable Lithium AA Batteries with Charger (Model AA J818) - Instruction Manual

## Kratax AA J818

# Kratax Rechargeable Lithium AA Batteries with Charger (Model AA J818) - Instruction Manual

## INTRODUCTION

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Thank you for choosing Kratax Rechargeable Lithium AA Batteries and Charger. This manual provides essential information for the safe and efficient use, charging, and maintenance of your new batteries and charger. Please read these instructions carefully before use and retain them for future reference.

## PRODUCT OVERVIEW

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The Kratax Rechargeable Lithium AA Batteries offer a stable 1.5V constant voltage output and a high capacity of 3500mWh. Designed for longevity, these batteries support over 1600 charge cycles, making them a durable and cost-effective power solution. The included charger is designed for fast and safe charging.



Image: Kratax Rechargeable Lithium AA Batteries and Charger Kit.

### Key Features:

- **High Capacity:** 3500mWh for extended use.
- **Constant Voltage Output:** Provides a stable 1.5V until depletion, suitable for high-current devices.
- **Long Cycle Life:** Over 1600 charge cycles.
- **Fast Charging:** Approximately 2 hours for a full charge.
- **Multi-Protection:** Built-in safeguards against overcharge, overvoltage, overcurrent, and over-discharge.
- **Wide Application:** Ideal for game controllers, outdoor cameras, motorized toys, remote controls, smart home devices, microphones, and medical devices (not for camera flashes).
- **Durable Design:** Features an exhaust explosion-proof design and low self-discharge rate.

Video: An overview of Kratax AA Lithium Rechargeable Batteries and their fast charging capabilities.

### SAFETY INFORMATION

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Adhering to safety guidelines is crucial for preventing damage and ensuring optimal performance. Please observe the following:

- Do not disassemble, crush, or puncture the batteries.
- Avoid exposing batteries to water or extreme temperatures (outside -20°C to 45°C).
- Use only the provided Kratax charger or a compatible 5V-2A USB power supply.
- Do not mix different battery types or brands in the charger.
- Keep batteries away from children and pets.
- The charger has reverse charge protection. Ensure correct polarity when inserting batteries.
- The batteries feature an exhaust explosion-proof design for enhanced safety.
- The product has passed ROHS, CE, CQC, and PSE certifications.



Image: Internal safety features of Kratax AA battery, including protection against overcharge, over-discharge, short circuit, and improper charging.

# SAFETY PROTECTION NO LEAKAGE



## Anti-Leak SS Gasket

Specially added stainless steel gasket at the bottom which will not wear out the battery cells in long-term use

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

## SETUP

### Unboxing:

Upon receiving your Kratax Rechargeable Lithium AA Batteries and Charger kit, carefully unpack all components. The kit typically includes:

- 8 Kratax AA rechargeable batteries
- 1 USB battery charger
- 1 USB charging cable
- User Manual

# Kratax

## AA Rechargeable Lithium-ion Battery



Image: The Kratax battery and charger kit components, including batteries, charger, USB cable, and user manual.

### Initial Charging:

It is recommended to fully charge the batteries before their first use to ensure optimal performance and battery life.

## OPERATING INSTRUCTIONS

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### Charging the Batteries:

1. Connect the USB charging cable to the charger and a compatible 5V-2A USB power source (e.g., wall adapter, computer USB port, power bank).
2. Insert the Kratax AA batteries into the charger slots, ensuring correct polarity (+ and - ends match the charger markings).
3. The LED indicator on the charger will show **red** during charging.
4. Once fully charged, the LED indicator will turn **green**. The charger features automatic power-off when batteries are full.
5. Charging time is approximately 2 hours for a full charge.

# 2H SMART FAST CHARGE

Convenient USB charging port, works with any 5V-2A power supply, can be used for Kratax AA and AAA batteries

## LED INDICATOR



**Red**  
Charing



**Green**  
Fully Charged

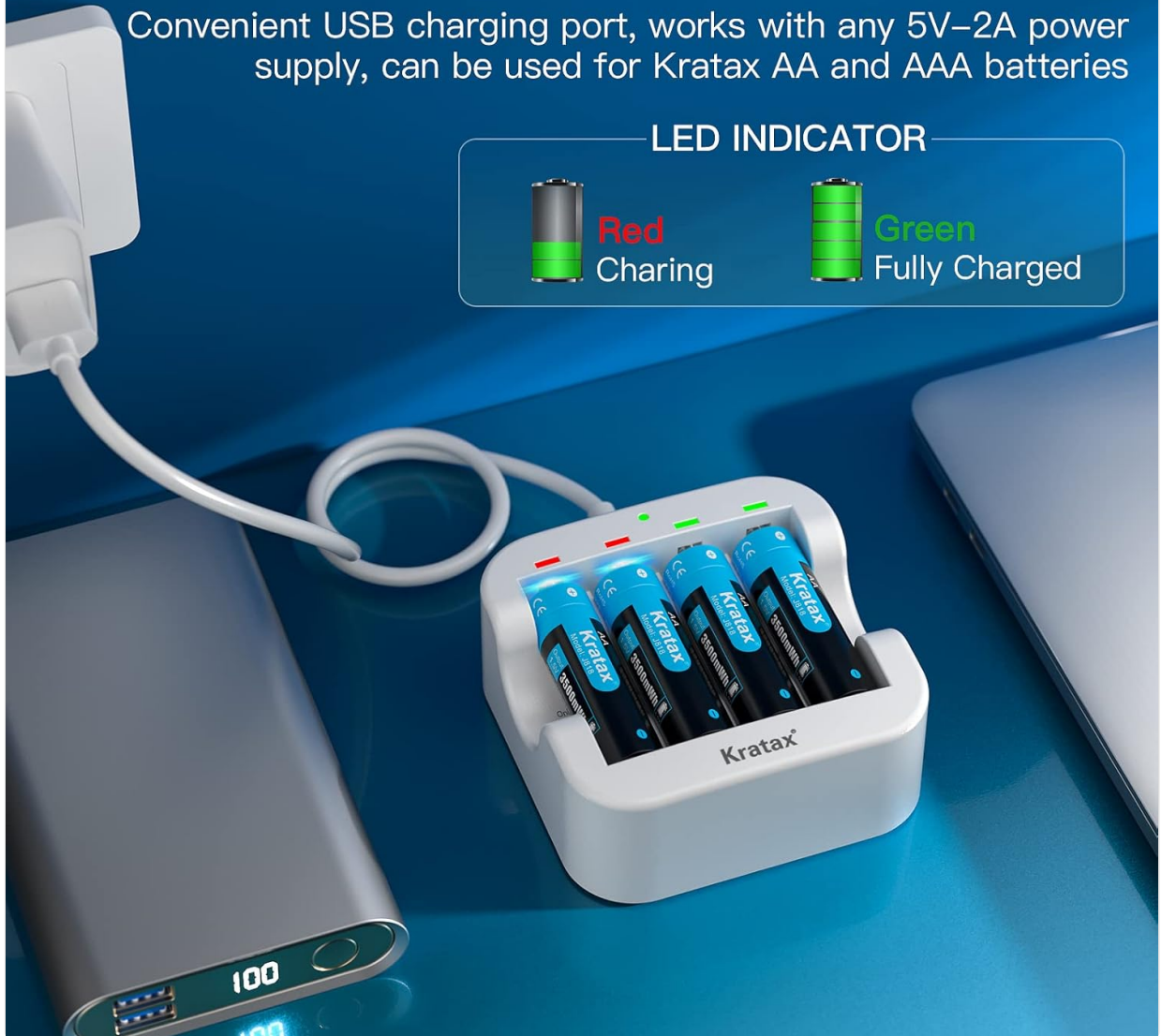


Image: Kratax smart fast charger indicating charging status with red (charging) and green (fully charged) LEDs.



Image: The Kratax charger can be powered by various 5V-2A sources, including wall adapters, computers, and power banks.

### Battery Usage:

Kratax Lithium AA batteries provide a consistent 1.5V output throughout their discharge cycle, unlike traditional alkaline or Ni-MH batteries whose voltage drops over time. This makes them ideal for devices requiring stable power.

# Linear Analog Curve

Linear simulation of alkaline battery discharge curves

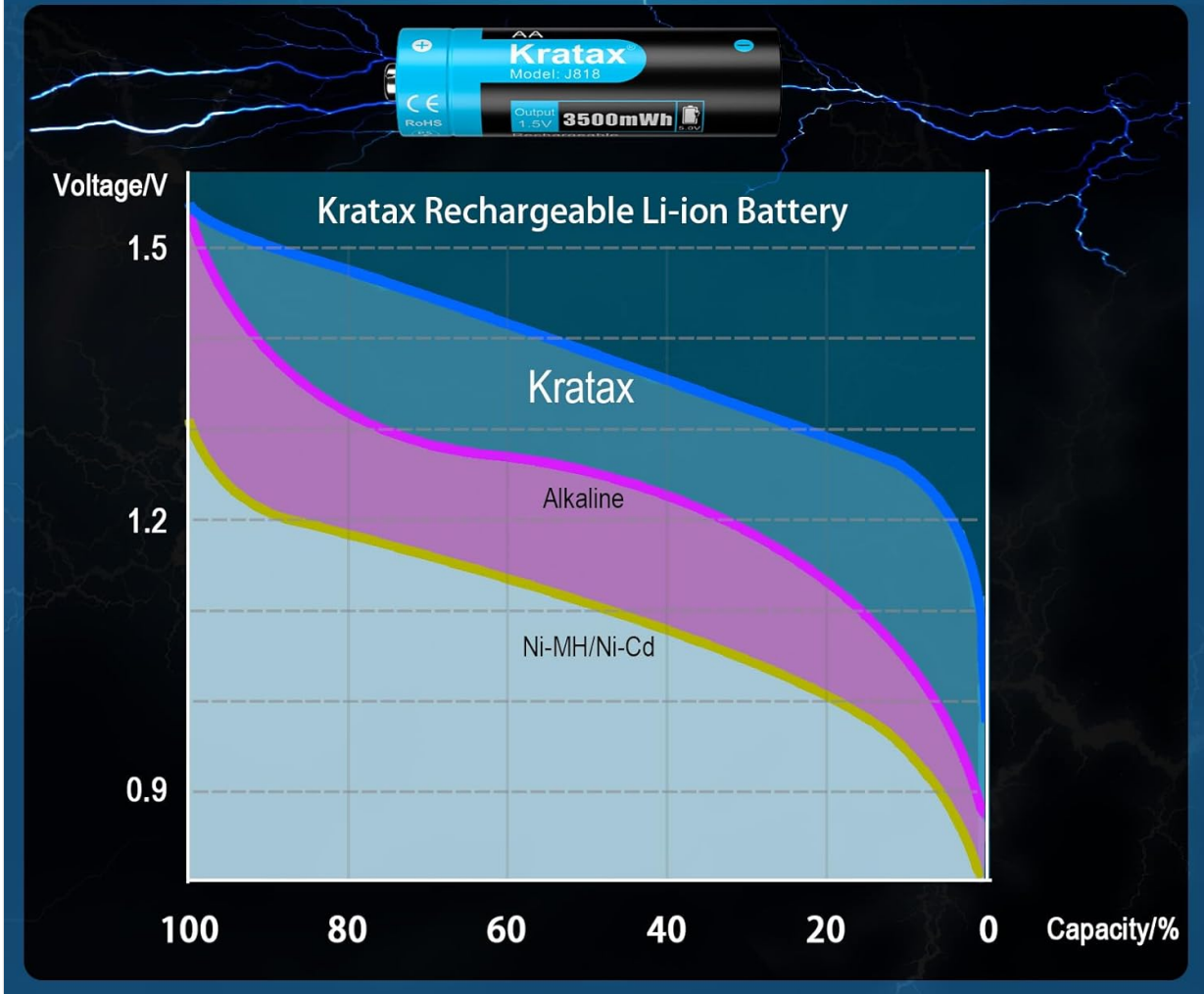


Image: A linear analog curve demonstrating the constant 1.5V output of Kratax Li-ion batteries compared to the declining voltage of other battery types.

These batteries are suitable for a wide range of high-power demand electrical devices, including:

- Game controllers
- Outdoor cameras
- Motorized toys
- Remote controls
- Smart home devices
- Microphones
- Medical devices

*Note: These batteries are not applicable for camera flashes.*

# EXCELLENT PERFORMANCE

For High-Current Applications



Image: Kratax AA batteries demonstrating excellent performance in high-current applications such as game controllers and microphones.

## MAINTENANCE

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

- Store batteries in a cool, dry place when not in use.
- The low self-discharge rate (approximately 0.03% per month) means they retain charge well during storage.
- Regularly clean the battery contacts and charger terminals with a dry cloth to ensure good connection.
- Avoid fully depleting batteries before recharging, if possible, to maximize cycle life.

# 1600 CHARGING CYCLES

**1** Kratax Rechargeable Li-ion Battery = **1000+** Alkaline Batteries



Environmental friendly



Cycle charging



No Memory Effect



Image: Kratax rechargeable Li-ion batteries offer over 1600 charging cycles, promoting environmental friendliness and featuring no memory effect.

## Extreme Environment Performance:

These batteries are designed to perform reliably in a wide temperature range, from -20°C to 45°C.

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



Image: Kratax AA batteries maintain good performance in extreme environments, from  $-20^{\circ}\text{C}$  to  $45^{\circ}\text{C}$ .

## TROUBLESHOOTING

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### Common Issues and Solutions:

- **Battery not charging:**
  - Ensure the USB cable and power source are functioning correctly.
  - Check that batteries are inserted with correct polarity.
  - Clean battery contacts and charger terminals.
  - If the charger LED shows an error (e.g., incorrect battery type), remove and reinsert the battery or try a different slot.
- **Device not powering on or shutting off prematurely:**
  - Ensure batteries are fully charged.
  - Verify that the device is compatible with 1.5V constant voltage batteries.
  - For devices using multiple batteries, ensure all batteries are charged and functioning correctly. Some devices may not accurately report battery levels for constant voltage lithium batteries, leading to sudden power loss.
- **One battery discharging faster in a multi-battery device:**

- This can sometimes occur due to slight variations in battery capacity or device power draw. Try rotating batteries or ensuring they are charged together.
- If the issue persists, one battery might be faulty.

## SPECIFICATIONS

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Feature	Detail
Model Number	AA J818
Battery Type	Lithium-ion (Li-ion)
Battery Size	AA
Voltage Output	1.5V Constant
Capacity	3500mWh (2333 mAh)
Cycle Life	Over 1600 cycles
Charging Time	Approx. 2 hours (with 5V-2A input)
Charger Input	5V-2A
Product Dimensions	0.57 x 0.57 x 1.99 inches
Item Weight (per battery)	Approx. 19g
Operating Temperature	-20°C to 45°C
Certifications	ROHS, CE, CQC, PSE

## WARRANTY AND SUPPORT

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Kratax products are manufactured with high-quality standards and undergo rigorous testing. For any questions, technical support, or warranty inquiries, please refer to the contact information provided with your purchase or visit the official Kratax website. Please retain your proof of purchase for warranty claims.