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› imuto AA556 Rechargeable Lithium AA Battery Set with 8-Slot Charger User Manual

imuto AA556

imuto AA556 Rechargeable Lithium AA Battery Set with 8-Slot Charger

User Manual

1. INTRODUCTION

Thank you for choosing the imuto AA556 Rechargeable Lithium AA Battery Set. This product includes 8 high-performance 2000mWh AA lithium batteries and a slim 8-slot fast charger. This manual provides essential information for the safe and efficient use of your new battery set. Please read it thoroughly before first use and retain it for future reference.



Image 1.1: imuto AA556 Rechargeable Lithium AA Battery Set with 8-Slot Charger.

2. WHAT'S IN THE BOX

- 8 x 2000mWh rechargeable AA lithium batteries
- 1 x Ultra-thin AA battery charger

3. SETUP

Before initial use, ensure all components are present and undamaged. The batteries may have a partial charge, but it is recommended to fully charge them before first use.

3.1 Charger Connection

1. Connect the charger to a compatible 5V/3A USB power adapter (not included) using a USB-C cable.
2. Ensure the power adapter is plugged into a functional power outlet.



Image 3.1: The imuto 8-slot battery charger with batteries inserted and connected to a power source.

4. OPERATING INSTRUCTIONS

4.1 Charging the Batteries

1. Open the charger's covers.
2. Insert the imuto AA lithium batteries into the charger slots, ensuring correct polarity (+ and - ends match the indicators in the charger).
3. Close the charger covers.
4. Connect the charger to a 5V/3A USB power adapter. The indicator lights on the charger will illuminate to show charging status.
5. A full charge for 1-8 batteries typically takes approximately 1.8 hours.



Image 4.1: The imuto charger demonstrating its fast charging capability, achieving a full charge in 1.8 hours.

4.2 Charger Indicator Lights

- **Green Flashing:** Battery is currently charging.
- **Solid Green:** Battery is fully charged.
- **Red Flashing/Solid Red:** Indicates an error, such as an incompatible battery, a faulty battery, or overheating. Refer to the Troubleshooting section.

4.3 Battery Usage

These 1.5V lithium AA batteries provide a stable voltage output throughout their discharge cycle, making them suitable for a wide range of household devices. They offer a stronger energy output compared to 1.2V NiMH batteries.

WIDELY USED IN YOUR LIFE



Image 4.2: Examples of devices compatible with imuto AA lithium batteries, including remote controls, game controllers, and wireless peripherals.

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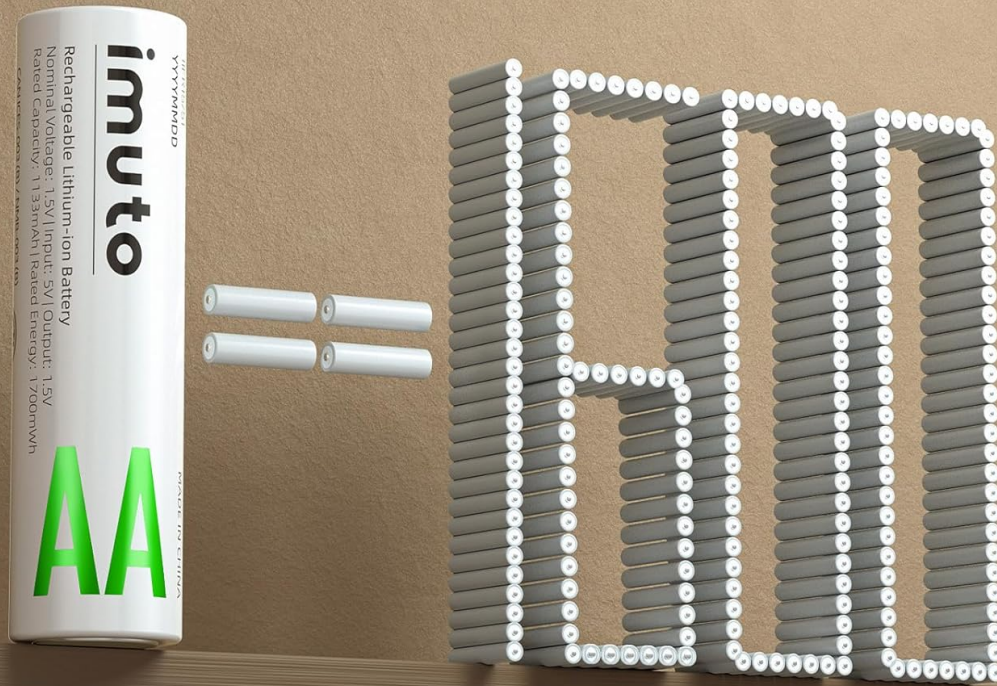
Video 4.1: An overview of the imuto Rechargeable AA Batteries with Charger, demonstrating its use with various devices.

5. MAINTENANCE

5.1 Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries before recharging to maximize lifespan, though these batteries have no memory effect.
- The batteries are designed for up to 1600 charging cycles with over 70% capacity retention.

1600+ RECHARGE CYCLES
70% CAPACITY RETENTION



imuto
AA Lithium Battery

RECHARGEABLE

Other
Disposable Battery

Image 5.1: Illustration of the imuto AA lithium battery's extended lifespan, offering over 1600 recharge cycles compared to disposable alternatives.

5.2 Charger Care

- Keep the charger clean and free from dust and debris.
- Do not expose the charger to water or excessive moisture.
- The charger's ultra-slim design (0.65 inches thick) makes it convenient for portability.

POCKET-SIZED DESIGN CHARGER 0.65" ULTRA-THIN



Image 5.2: Diagram illustrating the compact, ultra-thin design of the imuto AA battery charger, measuring 0.65 inches in thickness.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Batteries not charging (Red indicator)	Incorrect battery insertion, faulty battery, incompatible battery, charger issue.	Ensure correct polarity. Try a different battery. Check if the charger is properly connected to a 5V/3A adapter.
Short battery life after charging	Battery degradation, high power consumption device.	Batteries have a 1600-cycle lifespan; consider replacement if cycles are exceeded. Ensure the device is compatible with 1.5V lithium batteries.
Charger not powering on	No power, faulty cable/adapter.	Check power outlet. Try a different USB-C cable and 5V/3A power adapter.

7. SPECIFICATIONS

Feature	Detail
Battery Type	AA Lithium-ion (LiFePO4)
Battery Energy	2000mWh (Rated Energy: 1700mWh)
Battery Capacity	1133mAh
Output Voltage	1.5V (Stable)
Cycle Life	Up to 1600 cycles (>70% capacity retention)
Charger Input	5V/3A (USB-C)
Charging Time	Approx. 1.8 hours (for 1-8 batteries)
Charger Slots	8 (AA)
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Product Dimensions	2.97 x 0.65 x 6.7 inches (Charger)
Item Weight	8.8 ounces (Total package)

imuto

Rechargeable Lithium-ion Battery
 Nominal Voltage: 1.5V | Input: 5V | Output: 1.5V
 Rated Capacity: 1133mAh | Rated Energy: 1700mWh

AA




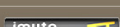
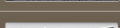

AA
RECHARGEABLE
LITHIUM BATTERIES

2000 mWh
Continuous Power Supply

1.5V High Power **1133** mAh Rated Capacity **1700** mWh Rated Energy

Image 7.1: Detailed view of an imuto AA lithium battery, displaying its 2000mWh energy, 1.5V output, and other key specifications.

imuto AA & AAA Lithium Battery Real Power, True Measure

	Cell Energy	Battery Type	Rated Energy	Rated Capacity	Peak Current
	1300mWh	AAA Li-ion battery	1170mWh	780mAh	0.5A
	2000mWh	AA LiFePo battery	1700mWh	1133mAh	2A
	2500mWh	AA Li-ion battery	2400mWh	1600mAh	
	3000mWh		2775mWh	1850mAh	
	3600mWh		3300mWh	2200mAh	
	3600mWh		3300mWh	2200mAh	3A

Cell Energy: Actual total energy of the battery cell
Rated capacity: Actual discharge capacity
Rated Energy: The effective energy actually deliverable by a battery (typically 5%-15% energy retention is required in rechargeable batteries to ensure system safety and cycle life).

Image 7.2: A comparison table outlining specifications for various imuto AA and AAA lithium battery models.

8. SAFETY INFORMATION

Adhere to the following safety guidelines to prevent damage, injury, or fire:

- Use only the provided imuto charger with imuto AA lithium batteries. Do not attempt to charge other battery types (e.g., NiMH, alkaline) in this charger.
- Do not mix new and used batteries, or batteries of different types/brands.
- Do not disassemble, crush, puncture, or short-circuit the batteries or charger.
- Avoid exposing batteries or charger to extreme temperatures (outside -40°F to 140°F), direct sunlight, or fire.
- Keep batteries and charger away from water and high humidity.
- The batteries feature CBPI sealing technology for enhanced leak-proof performance and safety.
- The battery material is free from harmful substances such as lead, mercury, and cadmium.
- Keep out of reach of children.

INTEGRATED CBPI™ SEALING TECHNOLOGY

High Density, High Safety, High Performance



Image 8.1: An illustration detailing imuto's integrated CBPI sealing technology, highlighting its smart protect chip, explosion-proof module, and various safety protections.



POWER ANYWHERE YOU GO

Rechargeable Lithium-ion Battery
Normal Voltage: 1.5V | Input: 5V | Output: 1.5V
Rated Capacity: 1133mAh | Rated Energy: 1700mWh

Wide Temperature Ranges
-40°F ❄️ **140°F**
even under extreme weather condition

Image 8.2: The imuto batteries are designed for reliable operation across a wide temperature range, from -40°F to 140°F, suitable for various environmental conditions.

9. WARRANTY AND SUPPORT

imuto products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the official imuto website or contact their customer support directly. Details can typically be found on the product packaging or the manufacturer's official online channels.