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imuto AA1000

imuto AA1000 Rechargeable AA Lithium Batteries User Manual

Model: AA1000

INTRODUCTION

Thank you for choosing imuto AA1000 Rechargeable AA Lithium Batteries. This manual provides essential information for the safe and efficient use of your new batteries. These high-performance lithium-ion batteries offer a stable 1.5V output, a long cycle life, and advanced safety features, making them ideal for a wide range of electronic devices.

SAFETY INFORMATION

Please read and understand all safety instructions before using the batteries.

- **WARNING:** Keep batteries away from children.
- Only charge rechargeable lithium AA batteries with a compatible charger. Do not attempt to charge non-rechargeable batteries.
- Do not disassemble, crush, puncture, or short-circuit the batteries.
- Do not expose batteries to water or extreme temperatures (outside -40°F to 140°F).
- Dispose of used batteries according to local regulations.
- If a battery shows signs of damage, leakage, or overheating, discontinue use immediately.

PRODUCT OVERVIEW

The imuto AA1000 batteries are designed for high-performance and durability. Key features include:

- **High Energy Capacity:** Each battery provides 3600mWh of real energy (rated energy 3300mWh, rated capacity 2200mAh), suitable for continuous high-drain devices.
- **Extended Cycle Life:** Enjoy up to 1600 charging cycles with no memory effect, significantly reducing replacement costs and environmental impact.
- **Stable 1.5V Output:** Delivers a consistent 1.5V voltage, offering stronger energy output compared to

1.2V NiMH batteries and compatibility with a wider range of devices.

- **Wide Temperature Adaptability:** Operates reliably in extreme temperatures from -40°F to 140°F, outperforming alkaline and NiMH batteries in harsh conditions.
- **CBPI Sealing Technology:** Features self-developed CBPI sealing technology for excellent leak-proof performance and enhanced battery space utilization, ensuring safety and environmental consideration.



Image: imuto AA Lithium-ion Rechargeable Batteries highlighting 3600mWh, 1.5V, 2200mAh, and 3300mWh specifications.



Image: Visual comparison showing imuto rechargeable batteries offering 1600+ recharge cycles versus disposable batteries.

INTEGRATED CBPI™ SEALING TECHNOLOGY

High Density, High Safety, High Performance



Image: Diagram illustrating imuto's Integrated CBPI Sealing Technology, detailing features like Smart Protect Chip, Explosion-Proof Module, Li-ion Energy Cell, and various protections (Overcurrent, Overvoltage, Overcharge, Over-discharge, Short Circuit, Temperature, Anti-leakage).

SETUP AND CHARGING

To prepare your imuto AA Lithium Batteries for use, follow these steps:

1. **Unboxing:** Carefully remove the batteries and charging case from the packaging.
2. **Connect Charger:** Plug the provided USB-C charging cable into the charging case. Connect the other end to a compatible USB power adapter (not included) or a USB port on your computer.
3. **Insert Batteries:** Open the magnetic lid of the charging case. Insert the imuto AA batteries into the designated slots, ensuring correct polarity (+ and - ends match the indicators).
4. **Charging Indicators:** The LED lights on the charging case will flash green to indicate that the batteries are charging. Once fully charged, the LED lights will turn solid green.
5. **Charging Time:** A full charge typically takes approximately 2.5 hours.

COMPATIBLE WITH ALL imuto AA BATTERY CHARGERS



Image: imuto AA Lithium-ion Rechargeable Batteries shown with various compatible imuto AA battery chargers, indicating broad compatibility within the brand's charging ecosystem.

OPERATING INSTRUCTIONS

Once your imuto AA Lithium Batteries are fully charged, they are ready for use in compatible devices:

1. **Insert into Device:** Place the charged batteries into your electronic device, ensuring correct polarity.
2. **Device Compatibility:** These batteries are ideal for high-drain devices such as video doorbells, security cameras, trail cameras, digital cameras, smart locks, weather sensors, smoke detectors, carbon monoxide alarms, walkie-talkies, and personal health monitoring tools.
3. **Performance:** The stable 1.5V output ensures consistent and reliable power for optimal device performance.



**POWER ANYTHING,
ANYWHERE, ANYTIME**

Image: imuto AA Lithium-ion Rechargeable Batteries shown powering a variety of devices, including a game controller, doorbell camera, and smart sensor, illustrating versatility.

1600+ RECHARGE CYCLES

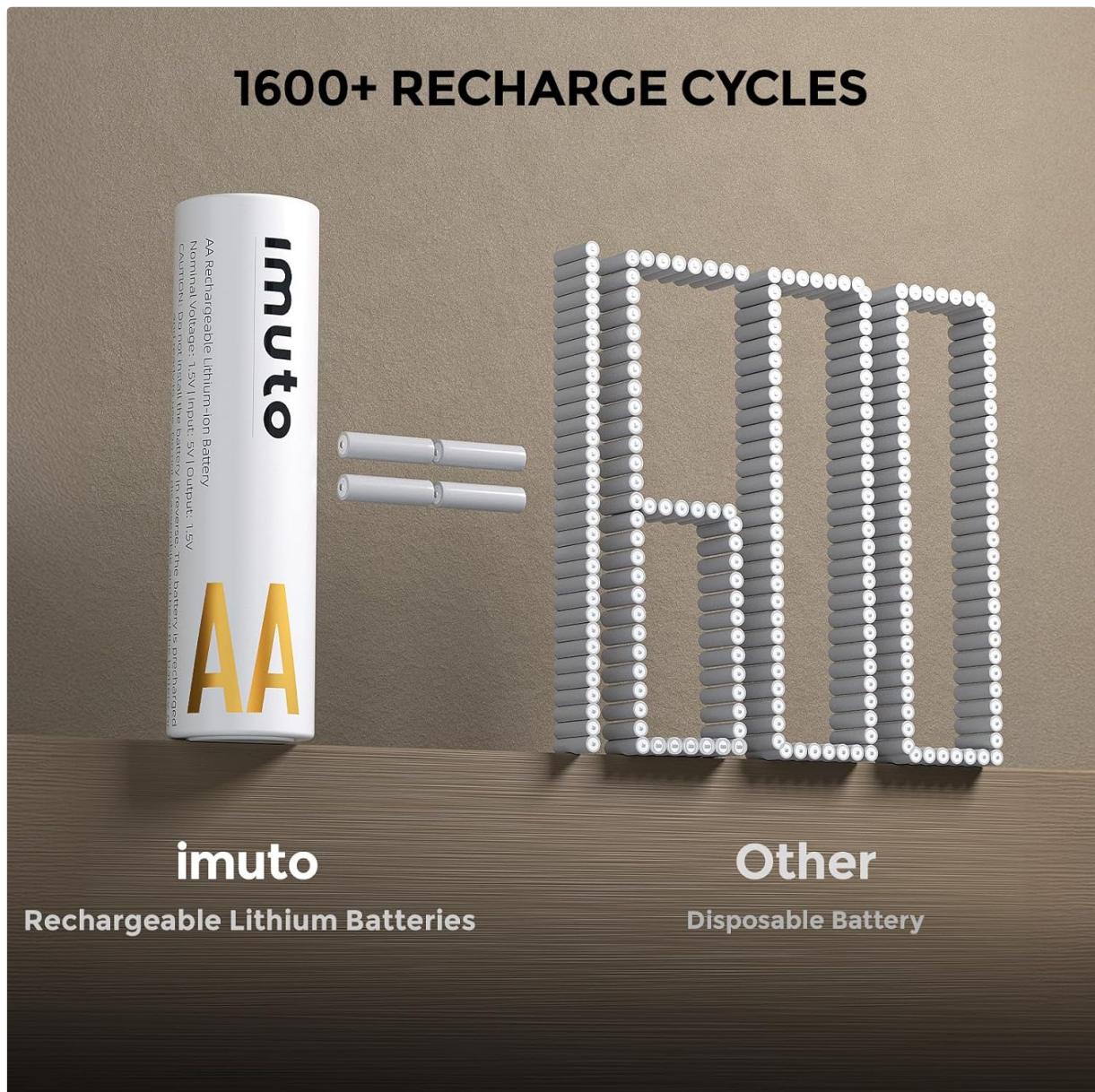


Image: Comparison of 1.5V Lithium-ion batteries (imuto) versus 1.2V Ni-MH batteries, highlighting the higher output voltage of the imuto batteries and their applicability to 95% of AA battery-powered devices.

MAINTENANCE AND STORAGE

- **Regular Charging:** For optimal battery life, recharge batteries when they are low, rather than waiting for them to be completely depleted.
- **Storage:** Store batteries in their charging case or another suitable battery organizer in a cool, dry place away from direct sunlight and extreme temperatures. The magnetic closure of the imuto charging case helps keep batteries secure.
- **Cleaning:** Keep battery terminals and charger contacts clean and free of debris. Use a dry cloth to wipe them if necessary.
- **Disposal:** Do not dispose of batteries in household waste. Recycle them at an authorized battery recycling facility.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Batteries not charging (no green light)	Loose connection, faulty cable/adaptor, battery inserted incorrectly.	Ensure the USB-C cable is securely connected to both the charger and power source. Check battery polarity. Try a different USB cable or power adaptor.
Flashing red light on charger	Incompatible battery type, damaged battery, or overheating.	Ensure only imuto rechargeable lithium AA batteries are used. Remove the battery and allow it to cool down if overheating is suspected. If the issue persists, the battery may be defective.
Batteries not holding charge	Battery nearing end of life, or device is high-drain.	While batteries have a long cycle life, performance may degrade over time. Consider replacing older batteries. For high-drain devices, frequent recharging is normal.

SPECIFICATIONS

Feature	Detail
Model Number	AA1000
Battery Type	Lithium Ion (Li-ion)
Battery Size	AA
Real Energy	3600mWh
Rated Energy	3300mWh
Rated Capacity	2200mAh
Voltage Output	1.5V
Cycle Life	Up to 1600 cycles
Temperature Range	-40°F to 140°F (-40°C to 60°C)
Sealing Technology	CBPI
Item Weight (per battery)	3.2 ounces (for 4 batteries)
Package Dimensions	2.68 x 2.13 x 0.75 inches

WARRANTY AND SUPPORT

imuto products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided with your product packaging or visit the official imuto website. Please retain your proof of purchase for warranty claims.