

POWXS POWXS-AA-3500mWh-8P

POWXS Rechargeable Lithium AA Batteries and Universal Charging Station User Manual

Model: POWXS-AA-3500mWh-8P

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

• Battery Safety:

- Do not disassemble, open, or shred batteries.
- Do not expose batteries to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery. Do not store batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- Do not remove a battery from its original packaging until required for use.
- Do not subject batteries to mechanical shock.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Do not use any charger other than that specifically provided for use with the equipment.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Do not mix old and new batteries, or batteries of different types (Alkaline, Ni-Cd, Ni-MH, Li-ion).
- Keep batteries out of reach of children.
- Seek medical advice immediately if a battery has been swallowed.
- Dispose of batteries properly according to local regulations.

• Charger Safety:

- Use the charger only with compatible battery types (1.2V Ni-MH/1.5V Li-ion AA, AAA lithium rechargeable, and specialty AA lithium batteries).
- Do not expose the charger to rain or moisture.
- Do not operate the charger if it has received a sharp blow, been dropped, or damaged in any way.
- Unplug the charger from the power source when not in use.
- Ensure proper ventilation during charging.

2. PRODUCT OVERVIEW

The POWXS Rechargeable Lithium AA Batteries with Universal Charging Station provides a reliable and efficient power solution for various electronic devices. This kit includes a compact charging station and eight high-capacity 3500mWh rechargeable AA lithium batteries.

Key Features:

- **Universal Battery Compatibility:** The charging station supports 1.2V Ni-MH/1.5V Li-ion AA, AAA lithium rechargeable, and specialty AA lithium batteries. Smart IC technology identifies different chemistries for safe charging.
- **High-Drain Performance:** Each 3500mWh AA lithium battery delivers consistent 1.5V output, ideal for high-demand devices like 4K cameras, Blink systems, and gaming controllers, offering extended runtime.
- **2000+ Cycle Durable Build:** Batteries feature steel housing for impact protection and support up to 2000 recharge cycles, providing a long-lasting and environmentally friendly alternative to disposable batteries.
- **100-Minute Rapid Charging:** DC 5V/2A + USB-C input allows for full charging of eight 3500mWh AA batteries in approximately 1.5 hours. Auto-adjusting voltage/current prevents overcharging.
- **Travel-Optimized Compact Kit:** The charger and batteries have a total weight of approximately 300g, compliant with common air travel regulations, making them easy to transport.



Image: The POWXS universal charging station with eight purple and black rechargeable AA lithium batteries inserted, ready for use.

3. SETUP GUIDE

3.1 Unboxing and Initial Inspection

Upon receiving your POWXS battery and charger kit, carefully unpack all components. Inspect the charger and batteries for any signs of damage. If any items are damaged, do not use them and contact customer support.

3.2 Connecting the Charger

1. Locate the USB-C input port on the back of the POWXS charging station.
2. Connect the provided USB-C cable to the charging station.
3. Plug the other end of the USB-C cable into a compatible DC 5V/2A power adapter (not included) or a USB-C power source (e.g., laptop, power bank).
4. The LED indicators on the charger will briefly illuminate, indicating it is powered on.

3.3 Inserting Batteries for Charging

1. Ensure the batteries are inserted correctly according to the polarity markings (+ and -) inside each charging slot.
2. The charger can accommodate 1 to 8 AA or AAA batteries simultaneously.
3. For Ni-MH/Ni-Cd batteries, the corresponding LED will flash purple during charging and turn solid purple when fully charged.
4. For Li-ion batteries, the corresponding LED will flash green during charging and turn solid green when fully charged.



Image: The POWXS charging station with eight batteries inserted, showing green LED indicators for charging status.

Your browser does not support the video tag.

Video: A demonstration of inserting batteries into the POWXS charger and observing the charging indicators.

4. OPERATING INSTRUCTIONS

4.1 Charging Process and Indicators

The POWXS charging station features independent charging bays and real-time status indicators for each battery.

LED Indicator Status

Status	Indicator
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Status	Indicator
No Batteries Installed	Blue Light On
Ni-MH/Ni-Cd Battery Charging	Purple Flashing
Ni-MH/Ni-Cd Battery Fully Charged	Solid Purple Light On
Li-ion Battery Charging	Green Flashing
Li-ion Battery Fully Charged	Solid Green Light On

The charger automatically detects the battery type and applies the appropriate charging protocol. Once charging is complete, the charger will automatically stop to prevent overcharging and maximize battery lifespan.

HIGH-DENSITY LITHIUM BATTERY CELL RECHARGEABLE





3500mWh
Super Capacity



5times
Longer Lasting



1.5v
Unabated Constant
Voltage Output

Image: The POWXS charging station with batteries, alongside common devices such as a game controller, remote control, and toy car, illustrating versatile usage.

4.2 Battery Usage in Devices

POWXS rechargeable lithium AA batteries are designed for high-drain devices, providing a stable 1.5V output throughout their discharge cycle, unlike traditional alkaline or Ni-MH batteries that experience voltage drop.



Image: A graph illustrating the consistent 1.5V output of POWXS rechargeable lithium AA batteries compared to the declining voltage of alkaline and Ni-MH batteries over their discharge cycle.

These batteries are suitable for a wide range of applications, including:

- Blink Cameras and other security devices
- Game Controllers (Xbox, etc.)
- Wireless Mice and Keyboards

- LED Headlamps and Flashlights
- Digital Cameras
- Smart Locks and Doorbells
- Children's Toys
- Other high-drain electronic devices requiring AA batteries.

5. MAINTENANCE

5.1 Cleaning the Charger

To ensure optimal performance and longevity of your charger:

- Always unplug the charger before cleaning.
- Use a soft, dry cloth to wipe the exterior of the charger.
- Avoid using liquid cleaners or solvents, as they may damage the device.
- Keep the charging slots free from dust and debris.

5.2 Battery Storage

Proper storage helps maintain battery health and extends shelf life:

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Use the provided plastic cases to store batteries when not in use to prevent short-circuiting and physical damage.
- For long-term storage, it is recommended to charge batteries to about 50% capacity.

EXTREME COLD ENDURANCE

To energize your every adventure



-68°F



140°F



*Wide Temperature Ranges -68°F ❄️ 140°F Even under extreme weather condition

Image: A POWXS rechargeable lithium AA battery with graphic elements indicating its capability for over 2000 recharge cycles.

6. TROUBLESHOOTING

• Batteries not charging:

- Ensure the USB-C cable is securely connected to both the charger and the power source.
- Verify that the power adapter is providing DC 5V/2A output.
- Check that batteries are inserted with correct polarity (+ and -).
- Confirm that the batteries are compatible types (1.2V Ni-MH/1.5V Li-ion AA/AAA).
- Clean the battery contacts and charger slots if dirty.

• LED indicator not lighting up:

- Ensure the charger is properly connected to a power source.

- If no batteries are inserted, a blue light should be on. If not, check the power connection.
- **Batteries not holding charge:**
 - Batteries have a limited number of charge cycles (approx. 2000). If they have exceeded this, their capacity may diminish.
 - Ensure devices are not left on for extended periods, draining batteries unnecessarily.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions (Charger)	1 x 3 x 2 inches (approx.)
Item Weight (Total Kit)	12 ounces (approx.)
Battery Type	AA Lithium (Included)
Battery Capacity	3500mWh per AA battery
Battery Output Voltage	1.5 Volts (Constant)
Charger Input Voltage	DC 5V/2A (USB-C)
Compatible Battery Types (Charger)	1.2V Ni-MH/1.5V Li-ion AA, AAA
Recharge Cycles	Up to 2000+ cycles
Charging Time (8x AA 3500mWh)	Approx. 1.5 hours
Manufacturer	Shenzhen Laiphi Technology Co.,Ltd

2000X RECHARGE UP TO
KEEP **20** YEARS SHELF LIFE FOR USE



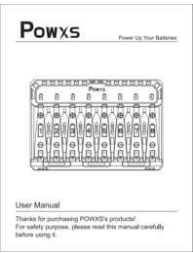


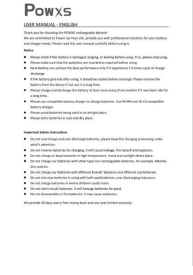
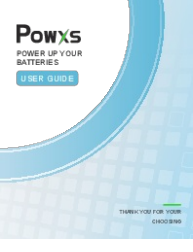
Image: POWXS rechargeable lithium AA batteries depicted in extreme cold (-68°F) and hot (140°F) environments, highlighting their wide temperature endurance.

8. WARRANTY AND SUPPORT

POWXS products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries regarding your product, please refer to the contact information provided with your purchase or visit the official POWXS website.

Please retain your proof of purchase for warranty claims.

Related Documents - POWXS-AA-3500mWh-8P

	<p>POWXS Battery Charger User Manual</p> <p>User manual for the POWXS battery charger, detailing product features, specifications, LED indicators, safety precautions, and warranty information. Supports charging of 1.2V Ni-MH/Ni-Cd AA/AAA and 1.5V Lithium-ion AA/AAA rechargeable batteries.</p>
	<p>POWXS Universal Battery Charger User Manual</p> <p>User manual for the POWXS universal battery charger, detailing specifications, compatible batteries, features, usage instructions, safety precautions, and warranty information.</p>
	<p>POWXS Battery Charger User Manual - Features, Specifications, and Safety Instructions</p> <p>Comprehensive user manual for the POWXS intelligent battery charger. Learn about its features, specifications, how to use it, capacity testing, and important safety guidelines for charging Li-ion, Ni-MH, and Ni-Cd batteries.</p>
	<p>POWXS Rechargeable Battery User Manual</p> <p>User manual for POWXS rechargeable batteries, providing important notices and safety instructions for proper usage and care.</p>
	<p>Powxs SW-2 Battery Charger User Guide</p> <p>Comprehensive user guide for the Powxs SW-2 battery charger, covering specifications, charging times, safety precautions, how to use, and warranty information.</p>