

POWXS 16 AAA

POWXS 1100mAh Ni-MH AAA Rechargeable Batteries Instruction Manual

Model: 16 AAA

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your POWXS 1100mAh Ni-MH AAA rechargeable batteries. Please read it thoroughly before first use and retain it for future reference.

Key Features

- **High Capacity:** 1100mAh Ni-MH AAA batteries for extended power.
- **Long Cycle Life:** Designed for up to 1300 recharge cycles, offering a lifespan of up to 10 years.
- **Low Self-Discharge:** Maintains charge for longer periods when not in use.
- **Pre-Charged:** Ready for immediate use upon purchase, charged with wind power.
- **Safe & Eco-Friendly:** Free of mercury (Hg), cadmium (Cd), and lead (Pb), featuring leak-proof technology and recyclable materials.
- **Wide Compatibility:** Suitable for various household and office devices.



Image 1.1: A pack of 16 POWXS 1100mAh Ni-MH AAA rechargeable batteries.

2. SETUP AND INITIAL USE

Your POWXS AAA batteries come pre-charged and are ready for immediate use. For optimal performance and to achieve their full capacity, it is recommended to fully charge and discharge the batteries 3 to 5 times after the first use.

1. **Unpack:** Carefully remove the batteries from their packaging.
2. **Insert:** Insert the batteries into your device, ensuring correct polarity (+ and - ends).
3. **First Charge Cycle:** If the device has a built-in charger, allow it to fully charge. Otherwise, use a compatible Ni-MH battery charger.
4. **Optimal Performance:** For best results, repeat the full charge and discharge cycle 3-5 times.



Image 2.1: Visual representation of the high efficiency of POWXS AAA batteries.

3. OPERATING INSTRUCTIONS

POWXS AAA rechargeable batteries are designed for a wide range of electronic devices. Always ensure that the device you are powering is compatible with 1.2V Ni-MH batteries.

- **Compatibility:** These batteries are suitable for devices such as gamepads, toys, wireless mice, cordless phones, camera batteries, alarm clocks, shavers, remote controls, and toothbrushes.
- **Insertion:** Always insert batteries with the correct polarity. Incorrect insertion can damage the battery or the device.
- **Mixing Batteries:** Do not mix new and used batteries, or batteries of different types or brands.



Image 3.1: Examples of devices compatible with POWXS AAA batteries.

4. MAINTENANCE AND STORAGE

Charging

- Use a charger specifically designed for Ni-MH batteries.
- Avoid overcharging, as this can reduce battery lifespan. Most modern Ni-MH chargers have automatic shut-off features.
- Charge batteries in a well-ventilated area, away from flammable materials.



Image 4.1: POWXS batteries in a charger, illustrating their real capacity and durability.

Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is best to store Ni-MH batteries with a partial charge (around 50%).
- Keep batteries in their original packaging or a battery case to prevent short circuits.
- Due to their low self-discharge rate, POWXS batteries retain 99% charge after 6 months, 97% after 1 year, and 95% after 2 years.



Image 4.2: Low self-discharge characteristics of POWXS batteries.

5. TROUBLESHOOTING

- **Battery Not Charging:**
 - Ensure the charger is functioning correctly and is designed for Ni-MH batteries.
 - Check for proper battery insertion and contact with the charger terminals.
 - Verify the batteries are not damaged or excessively old.
- **Short Device Run Time:**
 - Perform 3-5 full charge/discharge cycles to optimize battery capacity.
 - Ensure the device is not drawing excessive power or has internal issues.
 - Check if the batteries are fully charged before use.
- **Batteries Feel Warm During Charging:**

- A slight warmth is normal during charging. Excessive heat may indicate a faulty charger or battery. Discontinue charging if batteries become very hot.
- Ensure adequate ventilation around the charger.

6. SPECIFICATIONS

Feature	Detail
Brand	POWXS
Model Number	16 AAA
Battery Cell Composition	NiMH
Battery Capacity	1100 Milliamp Hours (mAh)
Voltage	1.2V (Nominal)
Recharge Cycles	Up to 1300 times
Lifespan	Up to 10 years
Pre-Charged	Yes, with wind power
Hazardous Materials	Free of Hg/Cd/Pb
Item Weight (per pack)	7 ounces
Package Dimensions	3.7 x 3.43 x 0.55 inches

7. SAFETY INFORMATION

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

- Do not dispose of batteries in fire; they may explode.
- Do not short-circuit batteries.
- Do not disassemble, crush, or modify batteries.
- Keep batteries out of reach of children.
- If battery fluid leaks and comes into contact with skin or eyes, rinse immediately with plenty of water and seek medical attention.
- Recycle used batteries according to local regulations.

LEAK-PROOF TECHNOLOGY



Image 7.1: Internal leak-proof design of POWXS batteries.



Image 7.2: POWXS commitment to environmental conservation through wind energy charging and recyclable materials.

8. WARRANTY AND SUPPORT

POWXS offers a 30-day worry-free return policy and a one-year limited warranty for these batteries. For support or warranty claims, please contact POWXS customer service through the retailer where the

product was purchased.



Image 8.1: POWXS customer service and warranty information.