

## HiQuick SW-8N Charger

# HiQuick SW-8N 8-Bay Smart Battery Charger and 1100mAh AAA Ni-MH Rechargeable Batteries User Manual

## 1. INTRODUCTION

Thank you for choosing the HiQuick SW-8N 8-Bay Smart Battery Charger. This manual provides essential information for the safe and efficient operation of your new charger and rechargeable batteries. Please read these instructions carefully before use and retain for future reference.

## 2. PRODUCT FEATURES

- **Independent Charging Function:** Charges 1-8 NiMH/NiCD AA/AAA batteries independently.
- **Smart LED Indicators:** LED screen displays the charging process and status for each battery.
- **Fast Charging:** Equipped with a 5V 2A Type-C high-current charging port for quick charging.
- **Multiple Intelligent Protection:** Features overcharge, overcurrent, overvoltage, overheating, and short-circuit protection.
- **Low Self-Discharge Performance:** HiQuick 1.2V AAA Ni-MH batteries retain 80% capacity after 36 months of non-use.
- **Long Cycle Life:** Rechargeable AAA batteries are designed for up to 1200 charging cycles.
- **Universal Compatibility:** AAA batteries are compatible with a wide range of common household devices.

## 3. PACKAGE CONTENTS

The HiQuick SW-8N Charger package typically includes:

- 1 x HiQuick SW-8N 8-Bay Smart Battery Charger
- 8 x HiQuick 1100mAh AAA Ni-MH Rechargeable Batteries
- 1 x USB Type-C Charging Cable
- 1 x User Manual

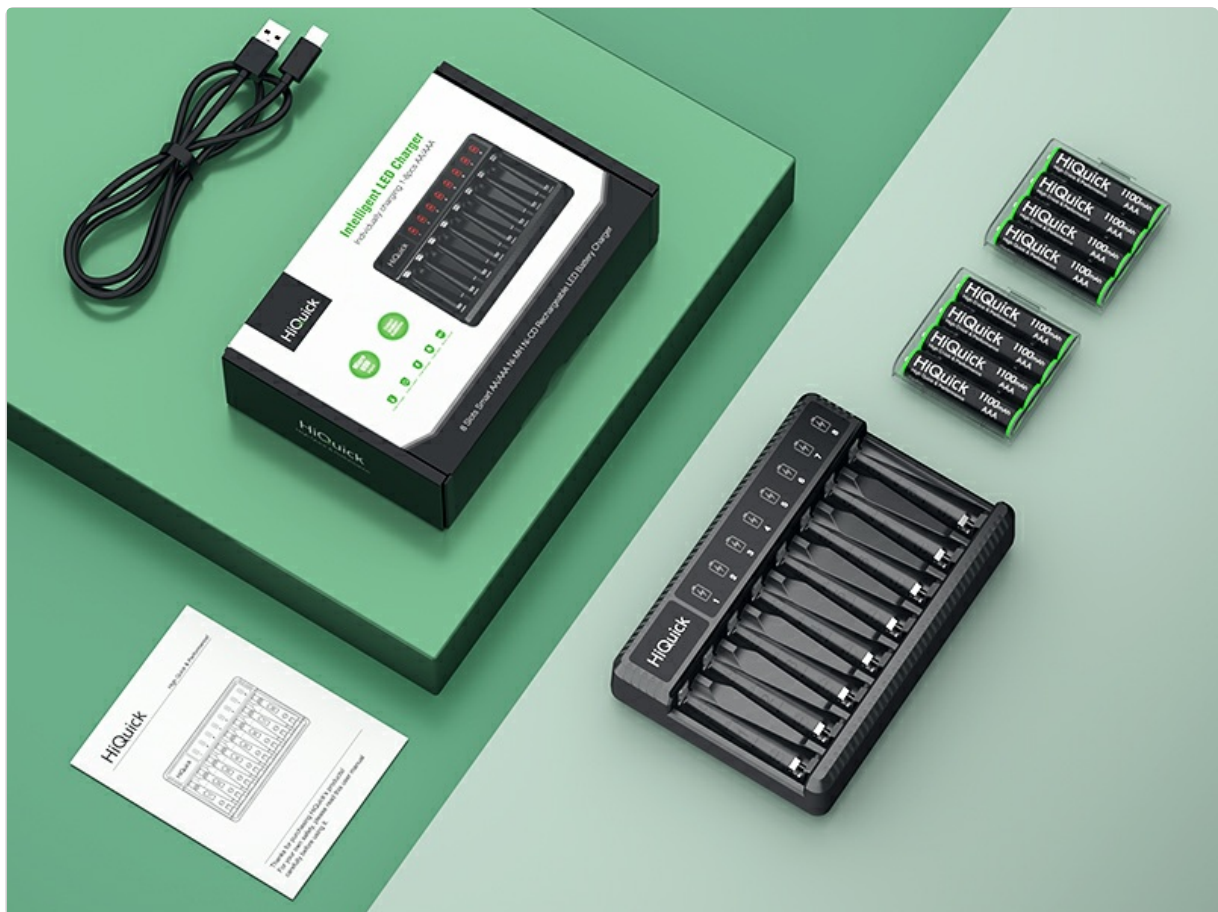


Image: HiQuick SW-8N Charger, USB cable, and batteries as packaged. This image shows the charger, USB cable, and two packs of AAA batteries, along with the instruction manual, indicating the typical contents of the product package.

## 4. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please adhere to the following safety guidelines:

- Use only Ni-MH or Ni-CD rechargeable batteries with this charger. Do not attempt to charge alkaline, carbon, or other non-rechargeable batteries.
- Ensure correct polarity (+/-) when inserting batteries into the charger slots.
- Do not disassemble, modify, or short-circuit the charger or batteries.
- Avoid exposing the charger to water, moisture, direct sunlight, or high temperatures.
- Keep the charger and batteries out of reach of children.
- Unplug the charger from the power source when not in use or when cleaning.
- Operate the charger within an ambient temperature range of 0-35°C (32-95°F).
- If any battery shows signs of damage, leakage, or overheating, discontinue use immediately.

# Using Microcomputer Control Technology

Multiple Protection & Safety



Overcharge Protection



Overcurrent Protection



Overvoltage Protection



Overheating Protection



Short-circuit Protection

Image: HiQuick charger displaying various safety features. Icons represent Overcharge Protection, Overcurrent Protection, Overvoltage Protection, Overheat Protection, and Short-circuit Protection, highlighting the charger's built-in safety mechanisms.

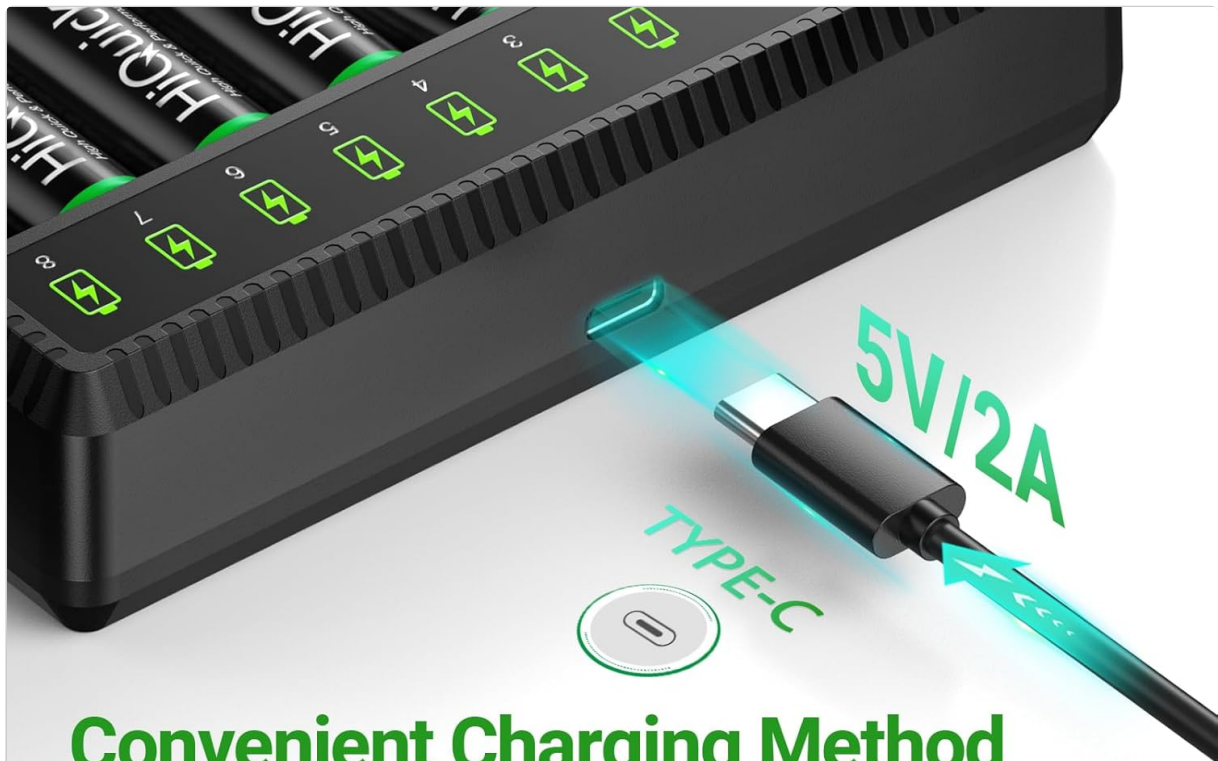


Image: HiQuick charger with a shield icon and text listing safety features. This graphic emphasizes the charger's comprehensive protection against overheating, short-circuiting, overcharging, overcurrent, and overvoltage.

## 5. SETUP



1. Connect the provided USB Type-C charging cable to the charger's input port.
2. Plug the other end of the USB cable into a compatible 5V 2A USB power adapter (not included), laptop USB port, power bank, or car charger.
3. The charger's LED indicators will briefly light up upon power connection.



## Convenient Charging Method

Charged anytime and anywhere



Power bank



Adapters



Laptops



Car Charger

Image: HiQuick charger connected via a Type-C cable to different power sources. This illustrates the versatility of the charger, showing it can be powered by a power bank, wall adapter, laptop, or car charger.



## Unlimited number and Fast Charging

NiMH/NiCD, AA & AAA rechargeable batteries

Image: HiQuick charger connected to a laptop, with icons for adapters, power banks, and car chargers. This graphic emphasizes the convenient and flexible charging methods available for the device.

## 6. OPERATING INSTRUCTIONS

### 6.1 Inserting Batteries

Carefully insert 1 to 8 Ni-MH/Ni-CD AA or AAA rechargeable batteries into the charging slots. Ensure the positive (+) and negative (-) ends of the batteries match the polarity markings in the charger slots. The charger supports mixed charging of AA and AAA batteries simultaneously.

## Independent Charging Slot

Charge 1-8 AA/AAA NiMH/NiCD rechargeable batteries at the same time



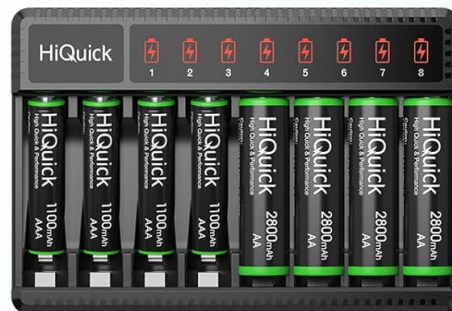
Single Charge  
**AAA Battery**



Single Charge  
**AA Battery**



Mixed Charge of  
**AA/AAA Batteries**



Mixed Charge of  
**1-8 AA/AAA Batteries**

Image: HiQuick charger illustrating independent charging slots for various battery configurations. The image shows single AAA, single AA, mixed AA/AAA, and 1-8 mixed AA/AAA batteries being charged, highlighting the independent slot functionality.

### 6.2 Charging Process and LED Indicators

- When batteries are correctly inserted, the corresponding LED indicator for each slot will turn **RED**, indicating that charging is in progress.
- Once a battery is fully charged, its corresponding LED indicator will turn **GREEN**.
- The charger will automatically stop charging when batteries are full to prevent overcharging.

# Smart LED Indicator

Easy Checking of Charging Process and Status

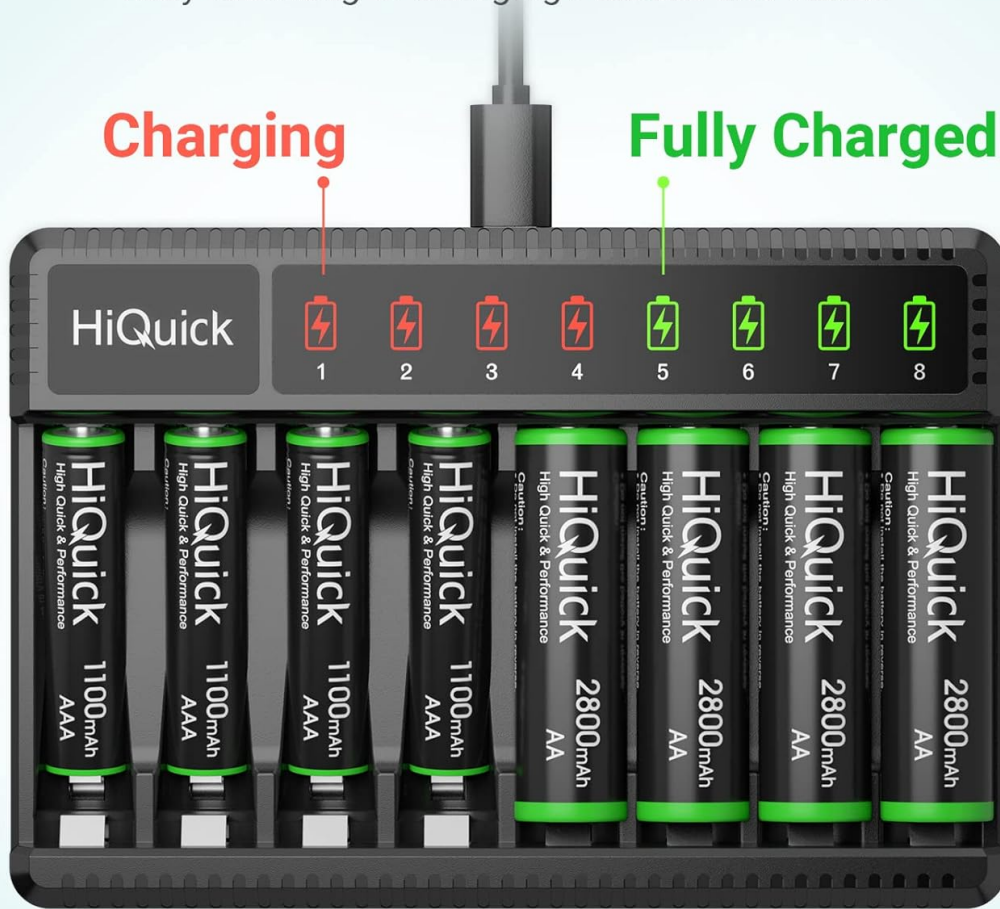


Image: HiQuick charger with smart LED indicators. The image shows red lights for batteries currently charging and green lights for batteries that are fully charged, providing clear visual status updates.

## 6.3 Estimated Charging Times

- For AAA NiMH/NiCD batteries: Approximately 2 hours for any number of batteries.
- For AA NiMH/NiCD batteries: Approximately 4.5 hours for any number of batteries.



# High Current Mode Quick Charging Technology

Fast charging with pulse output current and no shunt.



## 2<sub>h</sub>

for any number of AAA NiMH/NiCD Batteries.

## 4.5<sub>h</sub>

for any number of AA NiMH/NiCD Batteries

Image: HiQuick charger highlighting High Current Mode Quick Charging Technology. The graphic indicates approximately 2 hours for AAA NiMH/NiCD batteries and 4.5 hours for AA NiMH/NiCD batteries, emphasizing fast charging capabilities.



## 2<sub>h</sub>

for any number of AAA NiMH/NiCD Batteries.

## 4.5<sub>h</sub>

for any number of AA NiMH/NiCD Batteries

Image: HiQuick charger displaying charging times. It shows 2 hours for AAA NiMH/NiCD batteries and 4.5 hours for AA NiMH/NiCD batteries, indicating efficient charging for various battery types.

## 6.4 Official Product Video

Video: Official HiQuick video demonstrating the fast charging capabilities of the battery charger with AA and AAA

## 7. BATTERY CARE AND MAINTENANCE

- **Initial Use:** New batteries reach their best performance after 3-5 charge/discharge cycles.
- **Storage:** For long-term storage, fully charge the batteries before storing them. Store in a cool, dry place.
- **Low Self-Discharge:** HiQuick Ni-MH batteries are designed to retain a significant charge even after extended periods of non-use.
- **Recycling:** These batteries are free from harmful substances like Hg/Cd/Pb and are recyclable. Please dispose of them responsibly.

### Low Self-Discharge

HiQuick's low self-discharge performance keeps the battery at 80% charge after three years



#### HiQuick Rechargeable Batteries



#### Other Brand Batteries

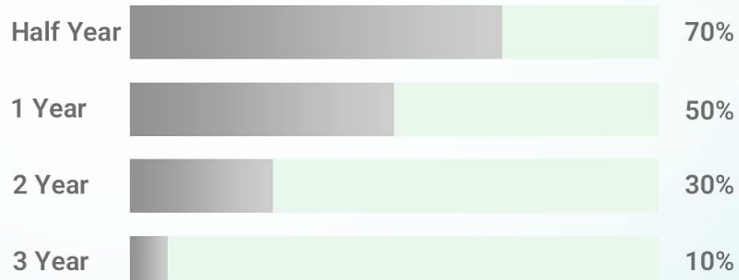


Image: Chart illustrating the low self-discharge performance of HiQuick rechargeable batteries compared to other brands. It shows HiQuick batteries retaining 80% capacity after 3 years, while others significantly drop.



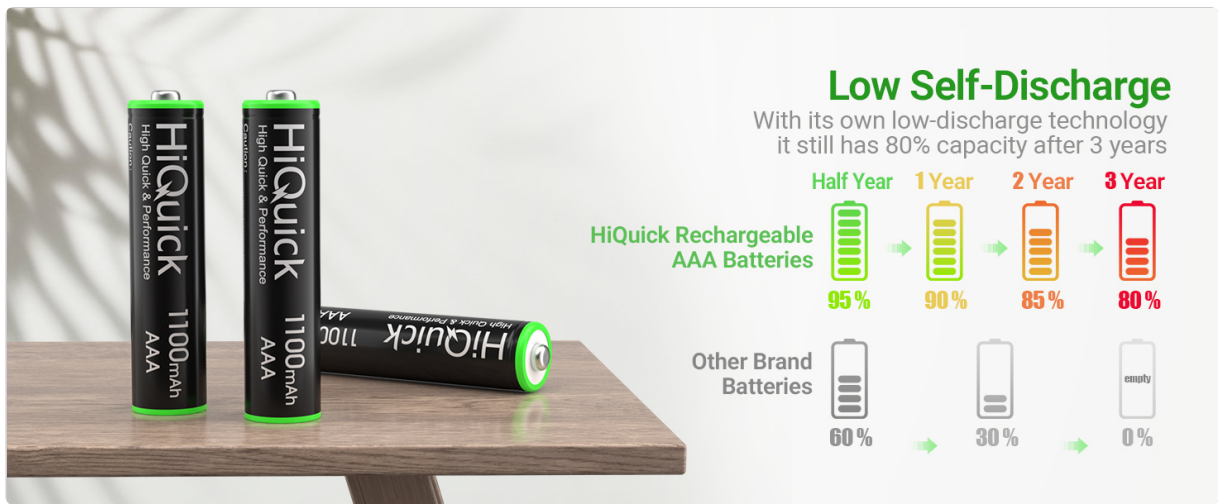


Image: HiQuick rechargeable AAA batteries with a graphic showing retained capacity over time. It indicates 95% after half a year, 90% after 1 year, 85% after 2 years, and 80% after 3 years, demonstrating excellent low self-discharge properties.

## Rechargeable & Long-Life Battery

HiQuick batteries do not contain Hg/Cd/Pb and have special protection technology and materials that allow the battery to be cycled up to 1200 times.

The image features a single HiQuick AAA battery (1100mAh) centered against a light blue background. The battery is encircled by a green shield-like graphic with a pulse line, symbolizing durability and protection. In the top right corner, a circular icon with arrows indicates a "1200 Charging cycle" capability.

Image: HiQuick rechargeable battery highlighting its long-life and 1200 charging cycle capability. The graphic emphasizes the durability and reusability of the batteries.



Image: HiQuick battery with symbols indicating it is free from harmful substances (Pb, Hg, Cd) and is recyclable. This highlights the eco-friendly aspects of the batteries.

### 8. TROUBLESHOOTING

- **LEDs not lighting up:** Ensure the charger is properly connected to a power source and the batteries are inserted with correct polarity.
- **Battery not charging:** Check if the battery is a compatible Ni-MH/Ni-CD type. Ensure it's not damaged. Try re-inserting the battery.
- **Slow charging:** Verify that your USB power adapter provides at least 5V 2A output. Lower output may result in slower charging.
- **Incompatible batteries:** The charger is designed for Ni-MH and Ni-CD rechargeable batteries only. Other battery types will not charge.

### 9. SPECIFICATIONS

Model	SW-8N
Input	Type-C DC 5V 2A (Min)
Output (AA/AAA)	1.48V DC 500mA±10%
Battery Type	Ni-MH / Ni-CD (AA/AAA)
Charging Rate	≥80%
Charging Method	Constant voltage and current control
Product Dimensions	1.1"D x 4.9"W x 3.3"H
Weight	9.14 ounces

### 10. WARRANTY AND SUPPORT

HiQuick is committed to providing reliable and high-quality products. This product comes with a**30-day worry-free money-back guarantee and a one-year warranty**. For any questions, concerns, or support needs, please contact HiQuick customer service through the retailer where you purchased the product.

