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› POWEROWL LCD Fast Charger for Ni-MH AA/AAA Rechargeable Batteries (Model MY-C001)

POWEROWL MY-C001

POWEROWL LCD Fast Charger for Ni-MH AA/AAA Rechargeable Batteries (Model MY-C001)

User Manual

1. INTRODUCTION

Thank you for choosing the POWEROWL LCD Fast Charger. This charger is designed for Ni-MH and Ni-Cd AA/AAA rechargeable batteries, featuring independent charging slots and an intelligent LCD display for monitoring the charging process. Please read this manual carefully before use to ensure safe and optimal performance.



Figure 1: POWEROWL LCD Fast Charger for AA/AAA Batteries. This image shows the compact design of the charger with its four independent charging slots and LCD screen.

2. IMPORTANT SAFETY INSTRUCTIONS

- This charger is designed exclusively for Ni-MH and Ni-Cd AA/AAA rechargeable batteries. **DO NOT** attempt to charge alkaline, carbon-zinc, lithium, or any other non-rechargeable battery types. Charging incompatible batteries may lead to leakage, rupture, or explosion, causing personal injury and property damage.
- Use the charger only in dry indoor conditions. Avoid exposure to rain, moisture, or extreme temperatures.
- Do not disassemble, modify, or repair the charger. Contact customer support if service is required.
- Keep the charger away from children and pets.
- Ensure proper ventilation during charging. Do not cover the charger.
- Unplug the charger from the power source when not in use or before cleaning.
- If the charger or batteries become excessively hot during charging, discontinue use immediately and unplug the charger.

WARNING

ONLY FOR NIMH NICD BATTERIES. DO NOT CHARGE ALKALINE OR CARBON BATTERIES



Figure 2: Safety Warning for Battery Types. This image highlights the critical warning against charging alkaline or carbon batteries with this device.

3. PRODUCT FEATURES

- **Universal Compatibility:** Supports Ni-MH and Ni-Cd AA/AAA rechargeable batteries.
- **Independent Charging Slots:** Each of the four slots charges independently, allowing for flexible charging of 1 to 4 batteries simultaneously, regardless of their charge level or type (AA/AAA).
- **Intelligent LCD Display:** A clear LCD screen shows the charging status of each individual battery, indicating "Charging," "Fully Charged," "Charging Process," or "Error."
- **Smart Charging Technology:** Features intelligent constant current and constant voltage charging, controlling voltage and temperature to ensure optimal charging and battery safety. The charger automatically stops charging when batteries reach full capacity.
- **Advanced Safety Protections:** Built-in safeguards against overcharge, over-temperature, overvoltage, overcurrent, and earth leakage protection.
- **Efficient Heat Dissipation:** Designed with heat dissipation windows at both ends to manage heat generated during the charging process, ensuring stable operation.
- **USB Input:** Conveniently powered via a 5V/2A USB input, compatible with various USB power sources.

Advanced Individual Cell Battery Charger

Charging mode

Support any number of AA AAA rechargeable batteries for charging



Charging mode

Other chargers must charge two batteries at the same time



To make your charging easier and extend battery lifespan



OVERCHARGE
PROTECTION



OVER-TEMPERATURE
PROTECTION



OVERVOLTAGE
PROTECTION



OVERCURRENT
PROTECTION

Figure 3: Individual Charging Mode. This image illustrates the charger's ability to charge each battery independently, unlike some other chargers that require batteries to be charged in pairs.

Multi-protection More Secure



OVERCURRENT
PROTECTION



OVERCHARGE
PROTECTION



EARTH LEAKAGE
PROTECTION



OVER-TEMPERATURE
PROTECTION



OVERVOLTAGE
PROTECTION

WARNING

**ONLY FOR NIMH NICD BATTERIES. DO NOT
CHARGE ALKALINE OR CARBON BATTERIES**

Figure 4: Multiple Safety Protections. This image displays icons representing the charger's safety features, including overcurrent, overcharge, earth leakage, over-temperature, and overvoltage protection.

4. PACKAGE CONTENTS

- 1 x POWEROWL LCD Fast Charger (Model MY-C001)

5. SETUP

1. **Connect Power:** Plug the USB cable into the charger's USB input port. Connect the other end of the USB cable to a compatible 5V/2A USB power source (e.g., USB wall adapter, power bank, computer USB port).
2. **Insert Batteries:** Insert 1 to 4 Ni-MH or Ni-Cd AA/AAA rechargeable batteries into the charging slots. Ensure the positive (+) and negative (-) terminals of the batteries match the polarity indicators inside the charger slots.



Figure 5: Correct Battery Insertion. This image shows batteries correctly inserted into the charger, aligning with the polarity markings.

6. OPERATING INSTRUCTIONS

6.1 Understanding the LCD Display

The intelligent LCD screen provides real-time status for each battery slot:

LCD Indicator	Status	Description
CHG	Charging	The battery is currently being charged. The battery icon will show a filling animation.
Full Battery Icon	Fully Charged	The battery has reached full capacity. The charger will automatically stop charging this battery.

LCD Indicator	Status	Description
Filling Battery Icon	Charging Process	Indicates the progress of the charging cycle.
ERROR	Error	Indicates incorrectly installed batteries, defective batteries, or incompatible battery types (e.g., alkaline). Remove the battery and check.

Smart LCD Screen Charger

LCD Indicator	CHG			ERROR
Status	Charging	Fully Charged	Charging Process	Batteries Installed Incorrectly /Defective Batteries /Alkaline batteries



Figure 6: LCD Display Status Table. This image visually represents the different indicators on the LCD screen and their meanings.



Figure 7: Close-up of LCD Indicator. A detailed view of the LCD screen showing the charging status for each battery slot.

6.2 Charging Process

1. Once batteries are correctly inserted and the charger is powered, the LCD screen will activate.
2. Each battery's status will be displayed individually. If a battery is charging, its icon will animate, and "CHG" might appear.
3. When a battery is fully charged, its corresponding icon on the LCD will show a full battery symbol, and the charger will cease charging that specific battery.
4. You can remove fully charged batteries at any time. The remaining batteries will continue to charge.

7. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and moisture when not in use.

- **Battery Terminals:** Periodically check the battery terminals in the charger for any dirt or corrosion. Clean gently if necessary to ensure good contact.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
LCD shows "ERROR"	◦ Incorrect battery type (e.g., alkaline). ◦ Battery inserted with incorrect polarity. ◦ Defective or damaged battery.	◦ Ensure only Ni-MH or Ni-Cd AA/AAA rechargeable batteries are used. ◦ Re-insert the battery, ensuring correct positive (+) and negative (-) alignment. ◦ Try charging a different battery to determine if the issue is with the battery or the charger. Replace defective batteries.
Batteries not charging / LCD off	◦ Charger not connected to power. ◦ USB power source is insufficient (less than 5V/2A). ◦ Loose connection.	◦ Check if the USB cable is securely connected to both the charger and the power source. ◦ Ensure the power source provides at least 5V/2A. Try a different USB adapter or port. ◦ Verify all connections are firm.
Charger feels warm during operation	Normal operation.	Some heat generation is normal during charging. Ensure the charger is in a well-ventilated area and not covered. If it becomes excessively hot, unplug immediately.

9. SPECIFICATIONS

Feature	Detail
Model Number	MY-C001
Compatible Battery Types	Ni-MH, Ni-Cd (AA, AAA)
Input Voltage	DC 5V
Input Current	2A
Output Voltage	DC 5V
Output Current	2A (Total)
Number of Charging Slots	4 (Independent)
Dimensions (L x W x H)	92.5 x 64.2 x 26.1 mm
Color	Black
Certifications	CE

Flexible And Ease To Use

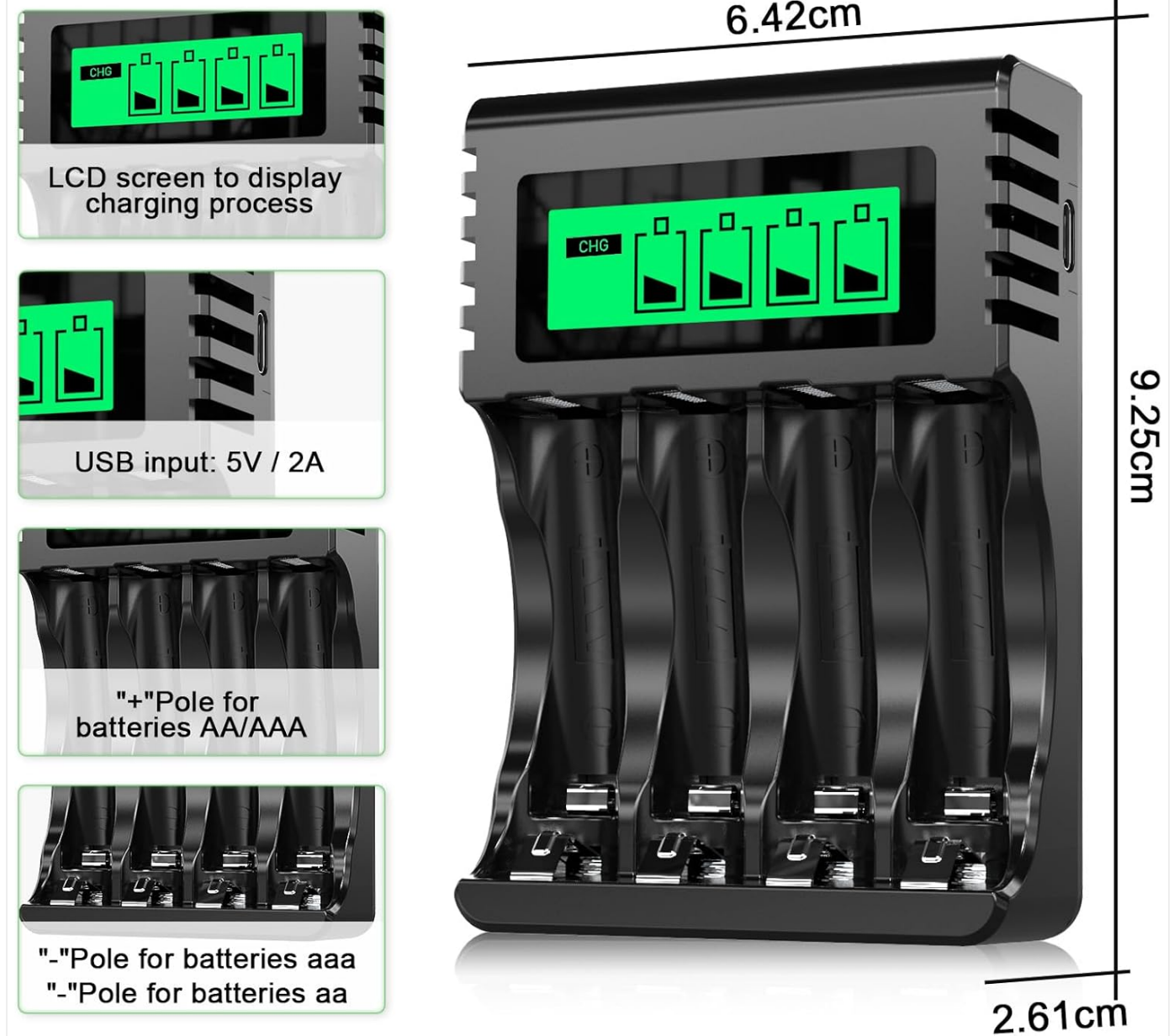


Figure 8: Charger Dimensions. This image provides a visual representation of the charger's physical dimensions and key features like USB input and polarity markings.

10. WARRANTY AND SUPPORT

POWEROWL is committed to providing reliable products. For any questions, concerns, or technical support regarding your charger, please contact POWEROWL customer service through the retailer's platform or the official POWEROWL website. Please retain your purchase receipt for warranty purposes.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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you@example.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question