

- Manuals.plus /
- › POWEROWL /
- › POWEROWL AA AAA Battery Charger 8 Bay (Model FY-828) User Manual

POWEROWL FY-828

POWEROWL AA AAA Battery Charger 8 Bay (Model FY-828)
User Manual

For Ni-MH Ni-CD Rechargeable Batteries

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your POWEROWL 8-Bay AA AAA Battery Charger, Model FY-828. This charger is designed to charge Ni-MH and Ni-CD rechargeable batteries of both AA and AAA sizes. It features independent charging slots, USB fast charging capability, and intelligent safety monitoring.



Image 1.1: Front view of the POWEROWL 8-Bay AA AAA Battery Charger, showing its sleek black design and eight charging slots with LED indicators.

2. SAFETY INFORMATION

- **Compatibility:** This charger is designed exclusively for Ni-MH and Ni-CD AA/AAA rechargeable batteries. Do not attempt to charge alkaline, lithium, or any other battery types, as this may cause damage to the batteries, charger, or result in personal injury.
- **Power Source:** Use only a compatible 5V USB power source. Ensure the power adapter meets safety standards.
- **Ventilation:** Operate the charger in a well-ventilated area. Avoid covering the charger during operation.
- **Temperature:** Do not expose the charger to extreme temperatures, direct sunlight, or high humidity.
- **Damage:** Do not use the charger if it appears damaged or if the batteries show signs of leakage, swelling, or discoloration.
- **Children:** Keep the charger and batteries out of reach of children.
- **Disassembly:** Do not attempt to disassemble or modify the charger.

SAFETY WITH SMART CHIP

Apply premium smart chip tech to ensure safe charging

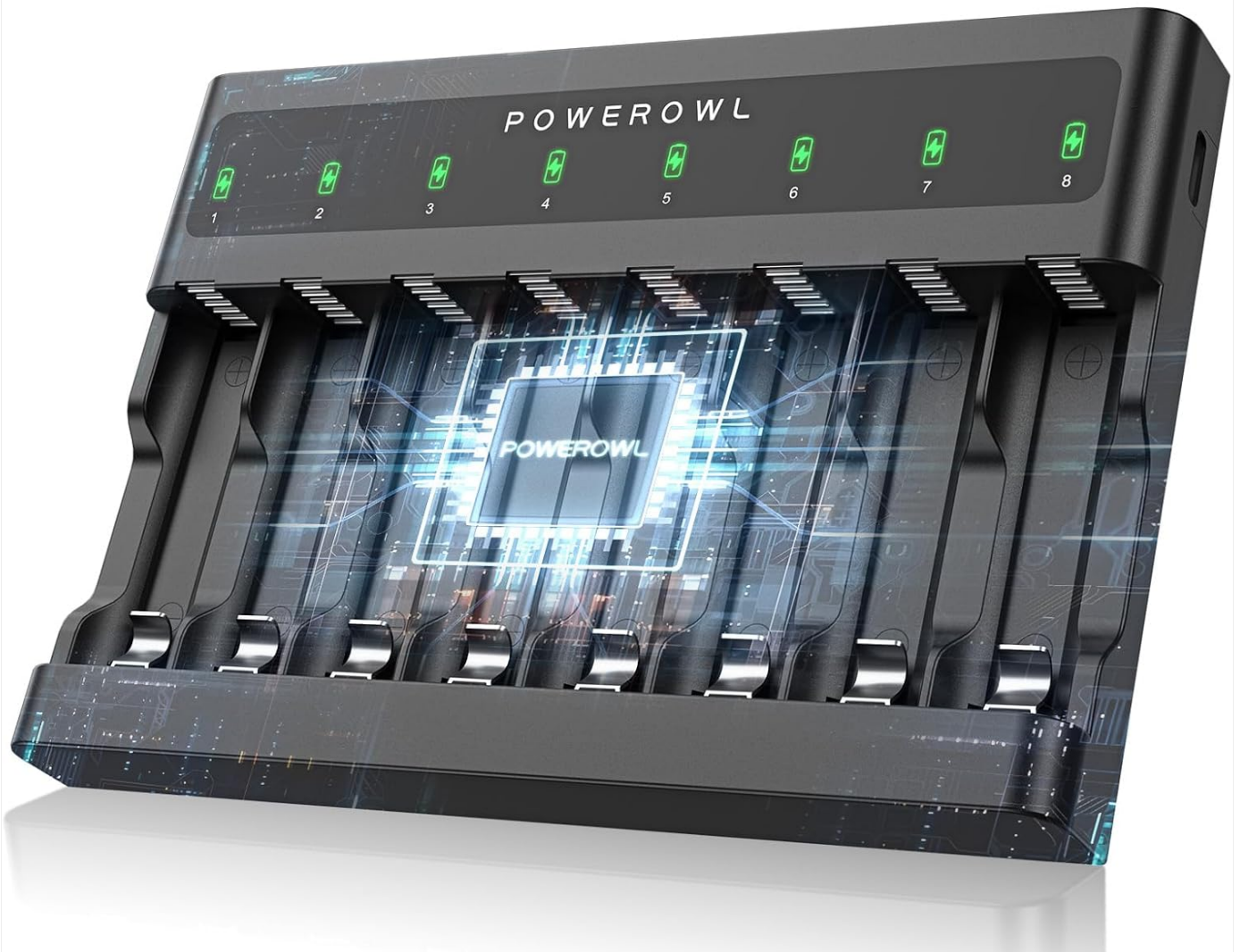


Image 2.1: Diagram illustrating the internal smart chip technology of the POWEROWL charger, highlighting its role in ensuring safe charging.

3. PACKAGE CONTENTS

Please check the package contents upon receipt:

- POWEROWL 8-Bay AA AAA Battery Charger (Model FY-828)
- USB Charging Cable
- User Manual (this document)

4. PRODUCT FEATURES

- **8 Independent Charging Slots:** Allows simultaneous charging of 1 to 8 AA or AAA Ni-MH/Ni-CD batteries. Each slot operates independently.
- **USB Fast Charging:** Compatible with various 5V USB power sources (USB wall adapter, power bank, laptop, car charger).

- **Smart Chip Technology:** Provides automatic charging cutoff when batteries are full, preventing overcharging. Includes multiple safety mechanisms such as over-voltage protection, over-temperature control, and short-circuit protection.
- **LED Indicators:** Clear LED lights for each slot display charging status (Red for charging, Green for fully charged, Flashing Red for damaged/non-rechargeable battery).
- **Trickle Charge Mode:** Extends battery life and maximizes capacity by charging up to 99%.
- **Damaged Battery Repair:** Capable of repairing over-discharged batteries within 15 seconds, indicated by a flashing red light.



INDEPENDENT CHARGING BAYS

- ✓ For AA/AAA NiMH/NiCD rechargeable batteries
- ✗ Don't charge alkaline and lithium batteries

Image 4.1: Close-up view of the charger's independent charging bays, showing two batteries inserted (one AA, one AAA) and highlighting compatibility with AA/AAA NiMH/NiCD batteries.

Type-C FAST CHARGING

Suitable for kinds of 5V power supply



USB CHARGER



POWER BANK



LAPTOP



CAR CHARGER



Image 4.2: The charger connected via its Type-C USB input, demonstrating its compatibility with various 5V power sources like USB chargers, power banks, laptops, and car chargers.

5. SETUP

1. **Unpack:** Carefully remove the charger and USB cable from the packaging.
2. **Connect Power:** Insert the USB charging cable into the charger's USB port. Connect the other end of the USB cable to a compatible 5V USB power source (e.g., a USB wall adapter, computer USB port, power bank, or car charger).
3. **Power On:** The charger's LED indicators will briefly light up, then turn off, indicating it is ready for use.

6. OPERATING INSTRUCTIONS

6.1. Charging Process

1. **Insert Batteries:** Place 1 to 8 AA or AAA Ni-MH/Ni-CD rechargeable batteries into the charging slots. Ensure correct polarity (+ and - ends match the markings in the slot). The spring-loaded contacts will adjust to the battery size.

- 2. **Monitor Status:** The LED indicator above each slot will illuminate to show the charging status.
- 3. **Completion:** Once a battery is fully charged, its corresponding LED indicator will turn green.
- 4. **Remove Batteries:** Carefully remove the charged batteries from the slots.

OPTIMIZE BATTERY PERFORMANCE

8 slots for AA/AAA batteries to charge seperately under the best condition to extend battery life



*Batteries are not included

Image 6.1: The charger with multiple AA and AAA batteries inserted, demonstrating its ability to optimize battery performance by charging each cell separately.

6.2. LED Indicators

LED Status	Meaning
Red Light	Battery is currently charging.
Green Light	Battery is fully charged.

LED Status	Meaning
Flashing Red Light	Indicates a damaged or non-rechargeable battery. The charger will attempt to repair over-discharged batteries within 15 seconds. If flashing continues, remove the battery.



Image 6.2: Visual guide to the LED indicators: Green for fully charged, Red for charging, and Flashing Red for damaged or non-rechargeable batteries.

6.3. Damaged Battery Detection and Repair

The charger is equipped to detect damaged or over-discharged batteries. If a battery is inserted and the corresponding LED flashes red, the charger is attempting to repair it. This process typically takes up to 15 seconds. If the light continues to flash red after this period, the battery is likely beyond repair or is a non-rechargeable type and should be removed immediately.

DAMAGED BATTERY REPAIR

Damage caused by battery over-discharge can be repaired within 15S since the red light flashes



Image 6.3: The charger displaying a flashing red LED for a specific slot, indicating a damaged or over-discharged battery that the charger is attempting to repair.

7. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and moisture when not in use.
- **Contacts:** Periodically check the charging contacts for any debris or corrosion. Clean gently with a dry cotton swab if necessary.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Charger not powering on.	No power connection or faulty USB cable/adaptor.	Ensure USB cable is securely connected to both charger and power source. Try a different USB cable or power adapter.
Battery not charging (LED off or flashing red).	Incorrect battery type, incorrect polarity, poor contact, or damaged battery.	Verify battery type (Ni-MH/Ni-CD only). Check battery polarity. Ensure batteries are inserted correctly and contacts are clean. If LED flashes red continuously, the battery may be damaged or non-rechargeable; remove it.
Charging is slow.	Low power output from USB source.	Use a USB power adapter with higher output (e.g., 5V/2A) for faster charging.
Charger or batteries become hot during charging.	Normal operation (slight warmth), or poor ventilation/damaged battery (excessive heat).	Slight warmth is normal. Ensure adequate ventilation. If excessively hot, remove batteries and disconnect charger. Do not use damaged batteries.

9. SPECIFICATIONS

Feature	Detail
Model Number	FY-828
Product Dimensions	4 x 6.5 x 0.69 inches (10.16 x 16.51 x 1.75 cm)
Item Weight	4.5 ounces (127.57 grams)
Input Voltage	5 Volts (USB)
Compatible Battery Types	AA / AAA Ni-MH / Ni-CD Rechargeable Batteries
Number of Slots	8 Independent Slots
Safety Certifications	UL, CE, FCC, RoHS
Manufacturer	POWEROWL

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact POWEROWL customer service through the retailer where the product was purchased. Please have your model number (FY-828) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Open the live page

<https://manuals.plus/asin/B0CH868QW7>

More documents and user manuals: **<https://manuals.plus/>**