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## POWEROWL 4 Bay Battery Charger

# POWEROWL 4-Bay USB Quick Charging Battery Charger and Rechargeable C Batteries User Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your POWEROWL 4-Bay USB Quick Charging Battery Charger and accompanying Rechargeable C Batteries. This charger is designed to charge various Ni-MH and Ni-CD rechargeable batteries, including AA, AAA, C, and D sizes.

## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 4 x POWEROWL Rechargeable C Batteries
- 1 x POWEROWL 4-Bay Battery Charger
- 1 x Micro USB Cable (power adapter not included)
- 1 x User's Manual (this document)

## 3. PRODUCT FEATURES

- **Smart Charging Technology:** Equipped with chip control for intelligent charging.
- **Automatic Shut-off:** Automatically stops charging when batteries are fully charged to prevent overcharging.
- **LED Indicators:** Clear visual status for charging, fully charged, and damaged batteries.
- **Universal Compatibility:** Charges 1-4 AA, AAA, C, and D size Ni-MH/Ni-CD rechargeable batteries simultaneously.
- **Dual Charging Modes:** Select between Fast and Overnight charging modes.
- **USB Input:** Conveniently powered via USB, compatible with laptops, car chargers, and mobile phone adapters.
- **Multiple Safety Protections:** Includes over-voltage, over-current, over-charge, over-heat, and short-circuit protection.
- **Bad Battery Detection & Repair:** Identifies and attempts to repair damaged batteries.



## Advanced Individual Cell Battery Charger

CHARGES 1~ 4 AA,AAA,C,D NIMH RECHARGEABLE BATTERIES AT ONCE



Image: The POWEROWL 4-Bay charger demonstrating its compatibility with AA, AAA, C, and D size batteries, highlighting the USB input for power.

### 4. SAFETY INFORMATION

Please read and adhere to the following safety guidelines to prevent injury or damage to the product:

- Use only Ni-MH or Ni-CD rechargeable batteries with this charger. Do not attempt to charge alkaline, carbon-zinc, or any other non-rechargeable battery types.
- Do not incinerate, crush, or disassemble batteries.
- Avoid short-circuiting batteries.
- Keep the charger and batteries away from water, moisture, and high temperatures.
- Do not operate the charger if it appears damaged.
- Ensure proper ventilation during charging.
- This charger is for indoor use only.



Image: Visual representation of the charger's dimensions and its integrated safety features, including protection against over-voltage, over-current, over-charge, over-heat, and short-circuits.

## 5. SETUP

1. **Connect Power:** Plug the Micro USB cable into the charger's input port and connect the other end to a USB power source (e.g., computer USB port, USB wall adapter, car charger). The charger's LED indicators will briefly light up.
2. **Insert Batteries:** Insert 1 to 4 compatible Ni-MH/Ni-CD rechargeable batteries into the charging slots, ensuring correct polarity (+ and - ends match the markings on the charger).



Image: The POWEROWL 4-Bay charger with four C-size rechargeable batteries correctly inserted into their respective charging slots.

## 6. OPERATING INSTRUCTIONS

### 6.1 Charging Process

Once batteries are correctly inserted and the charger is powered, the charging process begins automatically.

- **LED Indicator:** Each charging slot has an independent LED indicator.
- **Red Light:** Indicates that the battery in that slot is currently charging.
- **Green Light:** Indicates that the battery in that slot is fully charged. The charger will automatically stop charging.
- **Flashing Light:** Indicates a damaged or incompatible battery. Remove the battery immediately.



## LED INDICATOR

RED MEANS CHARGING  
GREEN MEANS FULLY CHARGED  
FLASHING MEANS THE BATTERY  
IS DAMAGED

Image: A close-up of the POWEROWL charger's LED indicators, illustrating the meaning of red (charging), green (fully charged), and flashing (damaged battery) lights.

### 6.2 Fast Charging Mode

The charger offers a fast charging mode for slots 1 and 2.

- To activate fast charging for slots 1 and 2, press and hold the 'FAST' button (or the fast charge indicator light) on the charger. The current for slots 1 and 2 will increase to 1.8A. This mode is active only when slots 3 and 4 are empty.
- To deactivate fast charging and return to the standard 1A current for all four slots, press the 'FAST' button again.



Image: An illustration detailing the 'Super Fast Charge Mode' feature, indicating that 1-2 C or D batteries can be charged at 1800mA in specific slots.

## 7. MAINTENANCE

- Keep the charger and batteries clean and dry. Use a soft, dry cloth to wipe surfaces.
- Store the charger and batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- When not in use for extended periods, remove batteries from the charger.

## 8. TROUBLESHOOTING

### 8.1 Batteries Not Charging

- **Check Power Connection:** Ensure the USB cable is securely connected to both the charger and the power source.
- **Verify Battery Polarity:** Confirm that batteries are inserted with correct positive (+) and negative (-) orientation.
- **Check Battery Type:** Ensure you are using Ni-MH or Ni-CD rechargeable batteries.
- **Damaged Battery:** If an LED indicator is flashing, the battery may be damaged or incompatible. Remove and replace it.

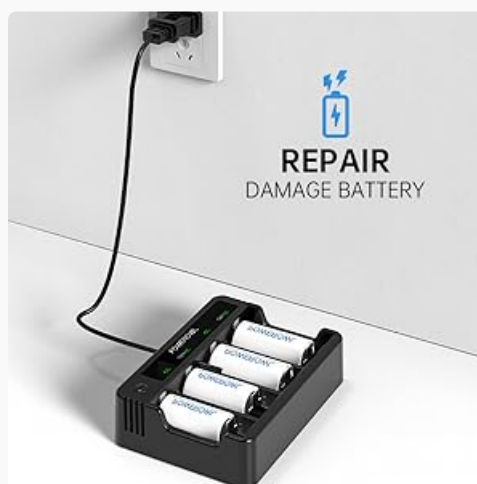


Image: The POWEROWL charger indicating a 'bad battery' with a flashing light, prompting the user to check or remove the battery.

### 8.2 Slow Charging

- **Power Source:** Ensure your USB power source provides sufficient current (e.g., a wall adapter typically provides more power than a computer USB port).
- **Fast Charge Mode:** Activate the fast charge mode for slots 1 and 2 if applicable and if slots 3 and 4 are empty.

## 9. SPECIFICATIONS

<b>Feature</b>	<b>Detail</b>
Product Model	4-Bay Battery Charger
Compatible Battery Types	Ni-MH, Ni-CD (AA, AAA, C, D)
Input	Micro USB
Standard Charging Current	1A per slot
Fast Charging Current	1.8A for slots 1 & 2 (when slots 3 & 4 are empty)
Output Voltage	1.45 Volts
Charger Dimensions	Approx. 5.7 inches (L) x 4.2 inches (W)
C Battery Dimensions	2.6 x 1.3 x 1.3 inches (66mm x 33mm x 33mm)
C Battery Weight	7.6 ounces (215 grams) per 4-pack
C Battery Capacity	5000 mAh (typical)

# High Capacity 5000 mAh

The energy density increased by 10% and monomer capacity increased by 25% than the normal cell

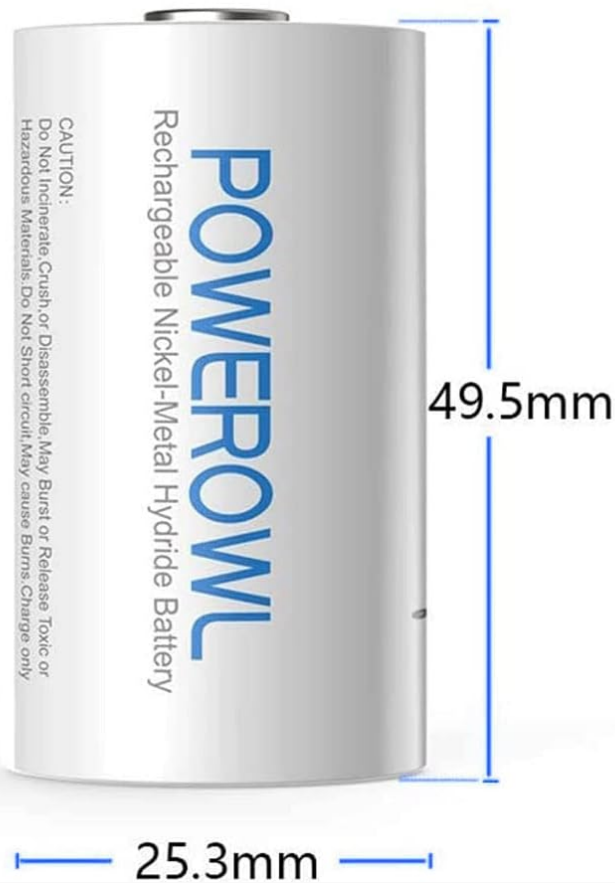


**\*C Batteries**  
SINCE 1996 POWEROWL

Image: A POWEROWL C-size rechargeable battery, highlighting its 5000 mAh high capacity.

# RELIABLE POWER AND PERFORMANCE

Appliances are designed to work within the voltage range of 1.5V to 0.9V



radios



LED Candle



Alarm clocks



Toys



Water Heater



Flashlight

Image: A POWEROWL C-size rechargeable battery showing its physical dimensions and examples of compatible devices such as radios, LED candles, alarm clocks, toys, water heaters, and flashlights.

## 10. WARRANTY AND SUPPORT

Your POWEROWL 4-Bay USB Quick Charging Battery Charger and Rechargeable C Batteries come with a **24-Month Warranty** from the date of purchase.

For technical support, warranty claims, or any product-related inquiries, please contact POWEROWL customer service. Refer to the contact information provided on the product packaging or the official POWEROWL website.

**Manufacturer:** SHENZHEN EPT BATTERY CO LTD

**Brand:** POWEROWL