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DLYFULL U12

Dlyfull U12 12-Bay AA AAA Battery Charger User Manual

Brand: DLYFULL | **Model:** U12

1. INTRODUCTION

The Dlyfull U12 12-Bay Battery Charger is designed for efficient and safe charging of Ni-MH and Ni-CD AA and AAA rechargeable batteries. Featuring dual input ports (Micro USB and Type-C) and intelligent LED indicators, this charger provides a reliable solution for your battery charging needs. It incorporates advanced safety features to protect both the batteries and the charger during operation.

2. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before using the charger.

- Only charge Ni-MH and Ni-CD rechargeable batteries. Do not attempt to charge alkaline, carbon-zinc, or any other non-rechargeable battery types, as this may lead to leakage, rupture, or explosion.
- Always insert batteries in pairs for proper charging. The charger will not function correctly if an odd number of batteries is inserted.
- Ensure that the Micro USB and Type-C input ports are not used simultaneously. Use only one input port at a time.
- Do not expose the charger to rain or moisture. Keep it away from water and high humidity environments.
- Avoid operating the charger in extreme temperatures outside the specified range of -40°F to 140°F (-40°C to 60°C).
- Do not disassemble, modify, or attempt to repair the charger. Refer all servicing to qualified personnel.
- Keep the charger and batteries out of reach of children and pets.
- Unplug the charger from the power source when not in use or before cleaning.

No Worry for Usage

Advanced Multi-functional protections keeps you and your devices safe



Figure 2.1: The Diyfull U12 charger features multiple built-in protections including overcharge, reverse polarity, bad cell detection, short circuit, and a safety timer to ensure safe operation.

3. PACKAGE CONTENTS

Upon opening the package, verify that all items are present and undamaged:

- Diyfull U12 12-Bay Battery Charger
- USB Charging Cable (Micro USB)
- User Manual (this document)
- (Optional, depending on purchase) Rechargeable AA/AAA Ni-MH/Ni-CD Batteries



Figure 3.1: Contents of the Dlyfull U12 battery charger package, including the charger unit, USB cable, and user manual.

4. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	U12
Product Dimensions	3.07 x 8.26 x 1.18 inches (7.8 x 21 x 3 cm)
Item Weight	7.4 ounces (0.21 Kilograms)
Compatible Battery Types	AA, AAA Ni-MH, Ni-CD Rechargeable Batteries
Input Voltage	5V/2A (Micro USB or Type-C)
Output Voltage	3 Volts (DC)
Charging Slots	12 (charges in pairs)
Color	White with Green/Red indicators
Manufacturer	Dlyfull

5. SETUP

- Connect the Charger:** Insert the provided Micro USB cable into the charger's Micro USB input port. Alternatively, you may use a Type-C cable with the Type-C input port. Connect the other end of the USB cable to a compatible 5V/2A power source, such as a USB wall adapter, computer USB port, power bank, or car charger.
- Prepare Batteries:** Ensure that the batteries you intend to charge are Ni-MH or Ni-CD rechargeable AA or AAA

batteries.

3. **Insert Batteries:** Carefully insert the batteries into the charging slots, ensuring correct polarity (+ and - ends match the markings on the charger). Remember to insert batteries in pairs (e.g., 2, 4, 6, 8, 10, or 12 batteries at a time). The charger is designed to assess and charge batteries in pairs.

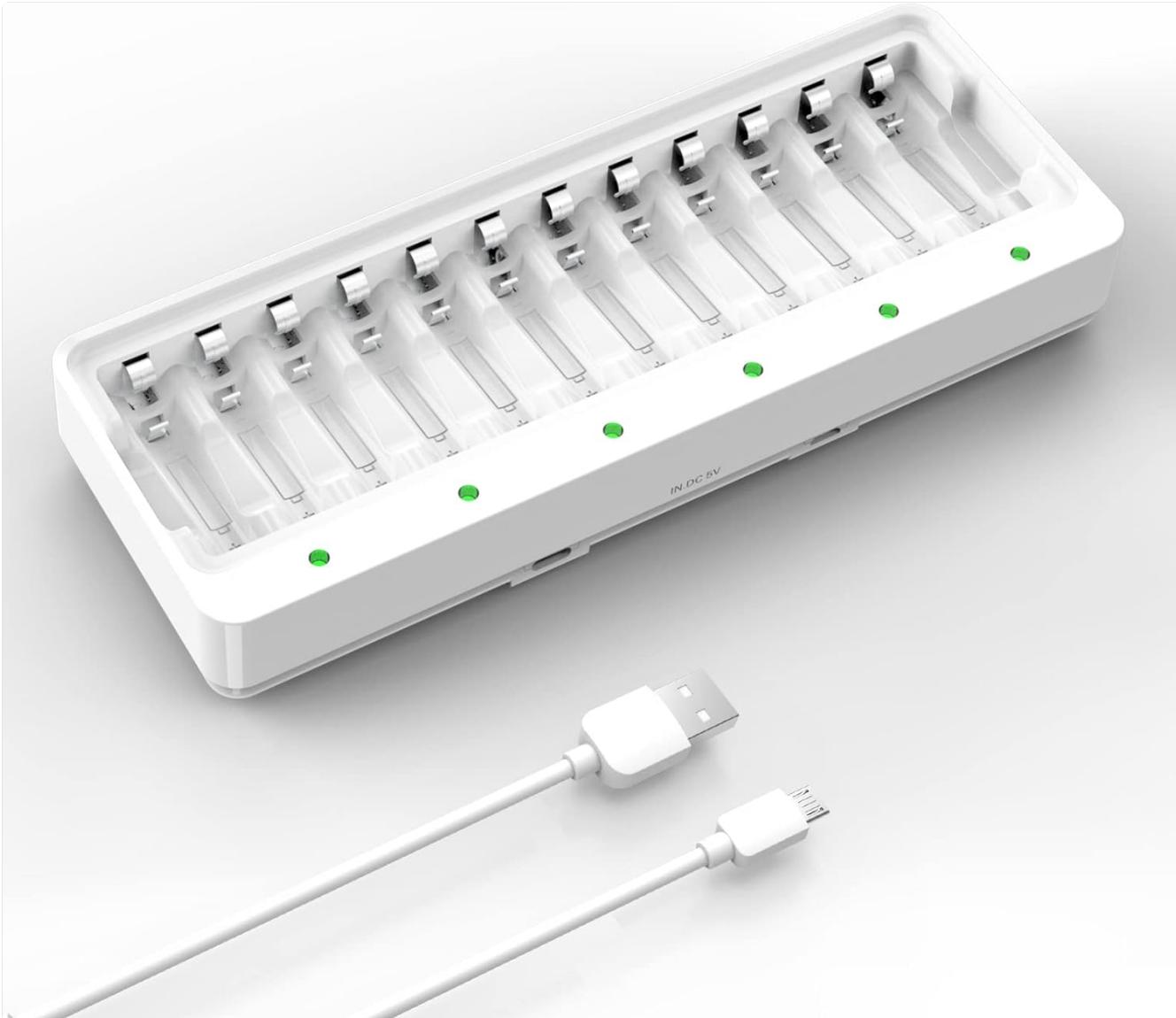


Figure 5.1: The Dlyfull U12 charger and its included USB cable, ready for connection to a power source.

Micro-USB and Type-C Input

2 ways to charge for 8 bay charger

Type-C Input Port
for speedy charging

5V/2A



5V/2A

Micro-USB
USB cable included

Figure 5.2: The charger supports both Micro USB and Type-C inputs for versatile power connection.

Multipie Charging Options-Easily Using

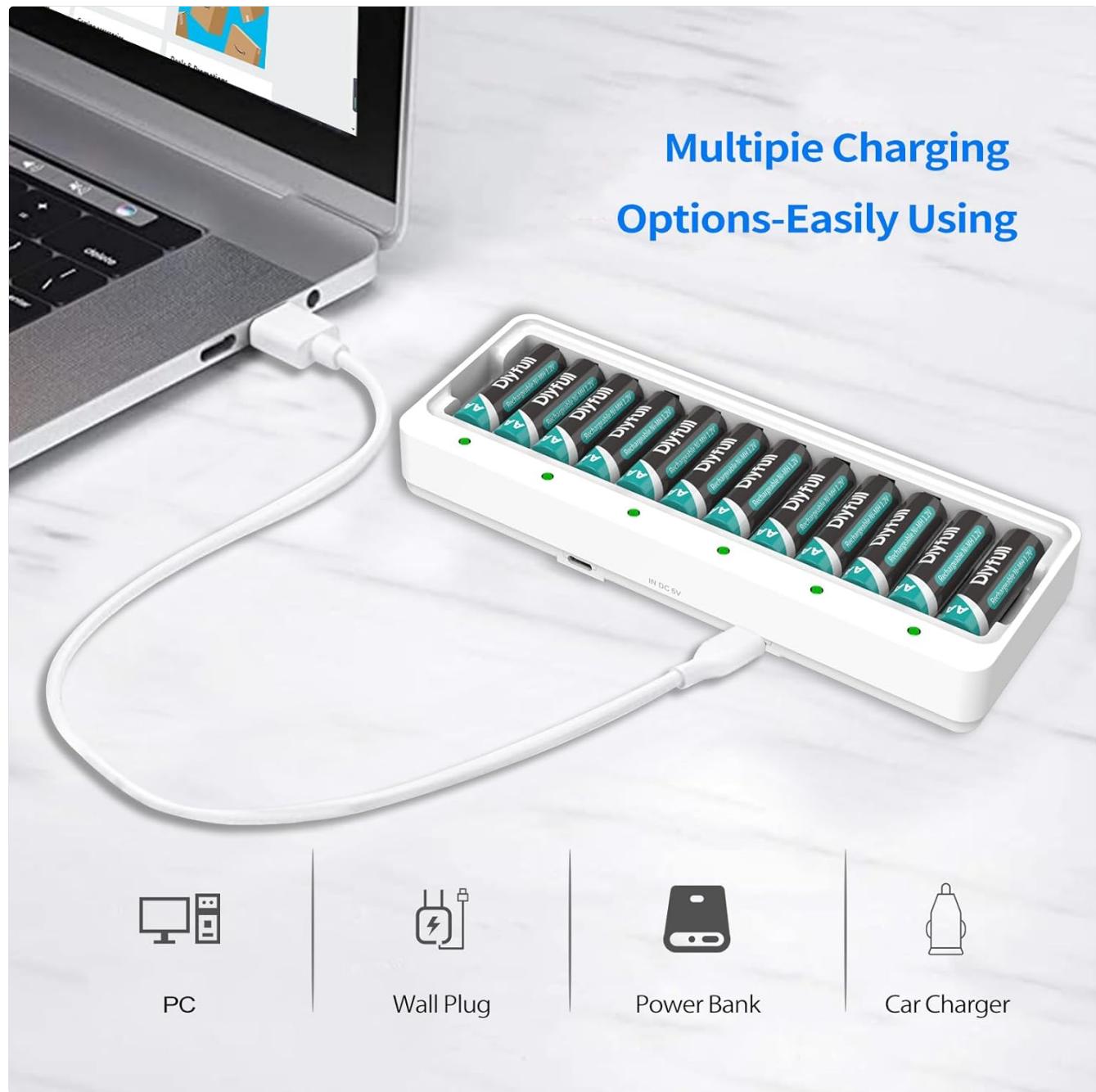


Figure 5.3: Multiple charging options are available, including connection to a PC, wall plug, power bank, or car charger.

Setup Demonstration Video

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Video 5.1: This video demonstrates the unboxing, connection, and initial setup of the Dylfull U12 battery charger, including how to properly insert batteries.

6. OPERATING INSTRUCTIONS

Once batteries are correctly inserted and the charger is connected to a power source, the charging process will begin automatically.

LED Indicator Status:

- **Red Light:** Indicates that the batteries are currently charging.
- **Green Light:** Indicates that the batteries are fully charged.
- **Red LED Flash:** Indicates a problem with the battery (e.g., bad battery, non-rechargeable battery, or incorrect insertion). Remove the problematic battery and re-insert or replace if necessary.



Figure 6.1: Visual guide to the LED indicators on the Dlyfull U12 charger, showing red for charging, green for fully charged, and flashing red for errors.

12 Bay Battery Charger

Freely for 1.2V AA AAA batteries

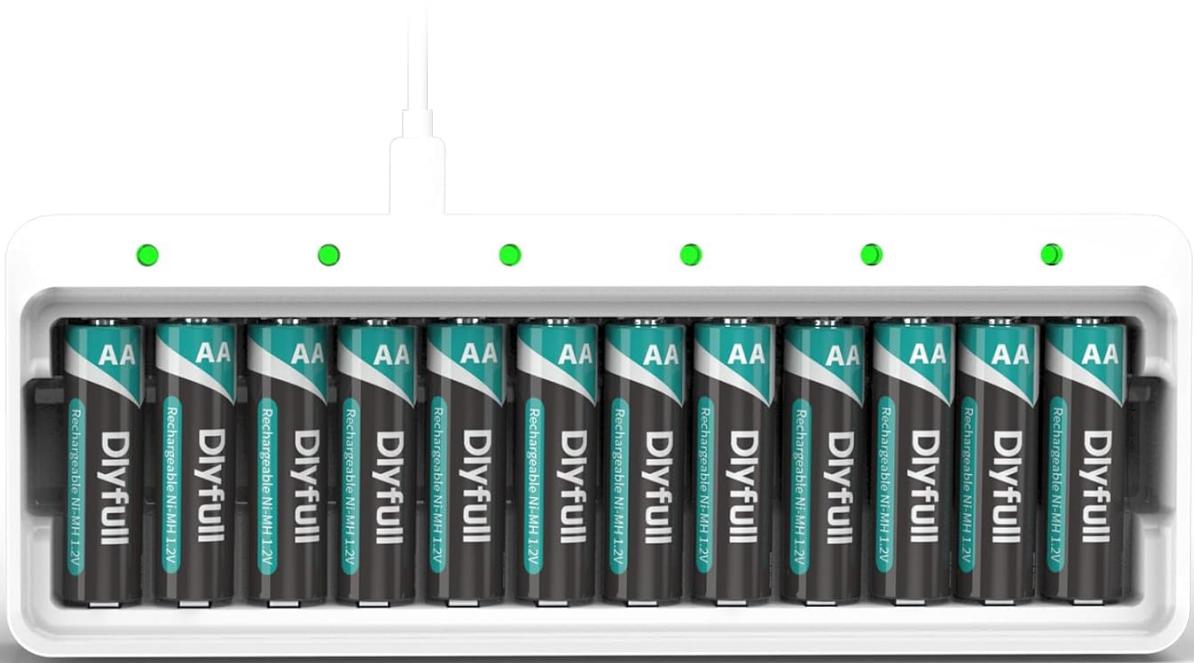


Figure 6.2: The Difyfull U12 charger is compatible with AA and AAA Ni-MH/Ni-CD rechargeable batteries.

Trickle Charge Feature:

The charger utilizes a $-\Delta V$ intellectual cut-off charging method. Once batteries are fully charged (indicated by a green light), the charger automatically switches to a trickle charge mode. This feature helps to maintain the battery's charge and extend its overall lifespan by preventing overcharging.

7. MAINTENANCE

- Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe the surface of the charger. Do not use abrasive cleaners or solvents.
- Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures. When storing batteries, it is recommended to remove them from the charger.
- Battery Care:** For optimal battery life, avoid fully discharging batteries before recharging. Recharge batteries regularly, even if not fully depleted.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED indicator is flashing red.	Bad battery, non-rechargeable battery, or incorrect battery insertion.	Remove the battery. Verify it is a rechargeable Ni-MH/Ni-CD battery and re-insert with correct polarity. If the issue persists, the battery may be faulty and needs replacement.
Batteries are not charging (no LED light).	Charger not connected to power, faulty USB cable, or batteries not inserted in pairs.	Ensure the USB cable is securely connected to both the charger and a working 5V/2A power source. Try a different USB cable or power source. Confirm batteries are inserted in pairs.
Charging is slow.	Low power input (less than 5V/2A).	Ensure your power adapter provides 5V/2A output for optimal charging speed.

9. WARRANTY AND CUSTOMER SUPPORT

The Dlyfull U12 Battery Charger comes with an **18-month worry-free warranty**. For any product-related inquiries, technical support, or warranty claims, please contact Dlyfull customer service through the platform where you purchased the product. Please have your order number and product model (U12) ready when contacting support.