

## DLYFULL B3

# Dlyfull B3 Universal Battery Tester and B2 Battery Tester User Manual

**MODELS: B3, B2**

### 1. INTRODUCTION

This manual provides comprehensive instructions for the Dlyfull B3 Universal Battery Tester and the Dlyfull B2 Battery Tester. These devices are designed to accurately assess the health and remaining capacity of various battery types, helping you determine if batteries are charged, need replacement, or if a device malfunction is due to battery issues.

### 2. SAFETY INFORMATION

- Do not attempt to test batteries that are visibly damaged, leaking, or corroded.
- Ensure proper polarity when inserting or connecting batteries to avoid damage to the tester or battery.
- Keep the testers away from water, high temperatures, and direct sunlight.
- Do not disassemble or modify the testers. Refer all servicing to qualified personnel.
- Keep out of reach of children.

### 3. PRODUCT OVERVIEW

#### Dlyfull B3 Universal Battery Tester



The Dlyfull B3 Universal Battery Tester (left) is shown alongside the Dlyfull B2 Battery Tester (right) and three AAA batteries. The B3 features a large LCD display and test leads for versatile battery testing.

## LARGE LCD DISPLAY

Quickly find out much power of your battery to help prolong its lifespan



Battery Voltage



Power Percentage



Resistance Parameters



The B3's large LCD display provides clear readings for battery voltage, power percentage, and internal resistance, indicated by icons for Battery Voltage, Power Percentage, and Resistance Parameters.

## HIGH QUALITY TEST PINS

Flexible and superior copper test pins ensure the parameters more accurately

### Ours



### Others

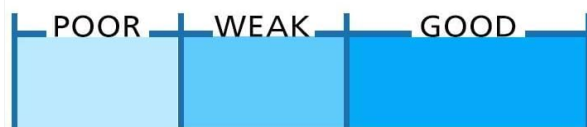


The B3 tester features superior copper test pins with adjustable tips (labeled 'Ours') for more accurate measurements, contrasting with general sharp-pointed metal pins (labeled 'Others') that may affect accuracy.

## Dlyfull B2 Battery Tester

### Easy-to-Read LCD Screen

Clearly shows what you need to know about your batteries' health



The Dlyfull B2 Battery Tester features an easy-to-read LCD screen that clearly indicates battery health with 'POOR', 'WEAK', and 'GOOD' segments. It includes slots for various battery sizes and a dedicated slot for button cells.

## 4. SETUP

### Dlyfull B3 Universal Battery Tester

The Dlyfull B3 tester is ready for use upon unboxing. It is powered by the battery being tested and does not

require internal batteries.

### **Dlyfull B2 Battery Tester**

The Dlyfull B2 tester requires one AAA battery (included) for operation. To install:

1. Locate the battery compartment on the back of the B2 tester.
2. Open the compartment cover.
3. Insert one AAA battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

## **5. OPERATING INSTRUCTIONS**

### **Dlyfull B3 Universal Battery Tester**

The B3 tester is designed for a wide range of rechargeable and non-rechargeable batteries. It provides detailed information on voltage, capacity percentage, and internal resistance.

# CHECK YOUR BATTERY'S HEALTH

Clearly parameters to see the status & health of your battery



## Step 1

Turn the rotary dial to the voltage of the battery under test



## Step 2

Keeps the contacts connected well between the battery and test pins



Visual guide for operating the Dlyfull B3 tester. Step 1 shows turning the rotary dial to the correct voltage setting. Step 2 illustrates connecting the test leads to the battery terminals.

1. **Select Battery Type:** Turn the rotary dial on the B3 tester to the corresponding voltage or battery type setting for the battery you intend to test. The dial includes settings for various battery chemistries and voltages, such as 1.2V Ni-MH/Cd, 1.5V Alkaline, 3.0V Li-ion, 3.2V LiFePO<sub>4</sub>, 3.7V Li-ion, 6.0V, 9.0V, and 12V.
2. **Connect Test Leads:** Use the red (positive) and black (negative) test leads. Connect the red pin to the battery's positive (+) terminal and the black pin to the battery's negative (-) terminal. Ensure a firm and stable connection.
3. **Read Display:** The LCD screen will immediately display the battery's voltage, estimated power percentage, and internal resistance. Interpret the readings to assess battery health.

**Compatible Battery Types (B3 Tester):**

## Works with 12 Different Battery Sizes

### Cylindrical Batteries



D size



C size



AAA



AA



CR2



N size



CR123A

### Special Batteries



2CR5



CR-P2



CR-V3

### Button cell



3V/6V Li-ion  
batteries



1.5V cells

### 9V batteries



9V batteries



This image illustrates the wide range of battery sizes and types compatible with the Dlyfull B3 tester, including D, C, AA, AAA, CR2, N, CR123A, 2CR5, CR-P2, CR-V3, 3V/6V Li-ion button cells, 1.5V button cells, and 9V batteries.

The B3 tester supports a wide array of batteries including:

- **Cylindrical Batteries:** A, AA, AAA, AAAA, C, SC, D, 9V
- **Li-ion Batteries:** 3.7V Li-ion (26650, 21700, 18650, 16340/CR123, 10440), CR2, CRV3, 2CR5, CR-P2
- **Button Cells:** LR621, CR2032, and other 1.5V/3V button cells
- **Other:** A10, A13, 23A, 27A

### Dlyfull B2 Battery Tester

The B2 tester is designed for non-rechargeable batteries and provides a quick health assessment.

1. **Insert Battery:** Slide the battery into the appropriate slot on the B2 tester. Ensure the positive (+) and negative (-) terminals align correctly with the tester's contacts. For button cells, place them in the designated circular slot.
2. **Read Display:** The LCD screen will show a bar graph indicating the battery's health, categorized as 'POOR', 'WEAK', or 'GOOD'.

Compatible Battery Types (B2 Tester):

The B2 tester supports common non-rechargeable batteries including AA, AAA, C, D, 9V, CR2032, CR123A, CR2, CRV3, 2CR5, CRP2, and various 1.5V/3V button cell batteries.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the testers. Do not use abrasive cleaners or solvents.
- **Storage:** Store the testers in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement (B2):** If the B2 tester's display becomes dim or unresponsive, replace the internal AAA battery.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
B3 Tester display is blank.	Incorrect battery type selected on dial; poor contact with battery; battery is completely dead.	Ensure dial matches battery type. Re-establish firm contact with test leads. Test a known good battery.
B2 Tester display is blank or dim.	Internal AAA battery is low or dead; battery not inserted correctly.	Replace the internal AAA battery. Re-insert the battery being tested, ensuring correct polarity.
Inaccurate readings.	Poor contact; dirty test leads/contacts; incorrect battery type selected (B3).	Clean test leads and battery contacts. Ensure firm connection. Verify correct battery type setting on B3.

8. SPECIFICATIONS

Feature	Specification
Brand	DLYFULL
Model Numbers	B3 (Universal), B2 (Non-rechargeable)
Power Source (B3)	Battery Powered (from tested battery)
Power Source (B2)	1x AAA Battery (included)
Min. Operating Voltage	1.5 Volts (DC)
Measurement Type (B3)	Voltage, Capacity Percentage, Internal Resistance
Measurement Type (B2)	Battery Health (Poor, Weak, Good)

Feature	Specification
Color	Black

## 9. WARRANTY AND SUPPORT

Dlyfull products are manufactured with quality and reliability in mind. For warranty information and customer support, please refer to the contact details provided with your purchase or visit the official Dlyfull website. Please have your product model number (B3 or B2) and purchase details ready when contacting support.