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› User Manual: ISOYTERO Blue Battery Charge Level Indicator

ISOYTERO UGH250407QRG03D61FR-02

User Manual: ISOYTERO Blue Battery Charge Level Indicator

Model: UGH250407QRG03D61FR-02

PRODUCT OVERVIEW

The ISOYTERO Blue Battery Charge Level Indicator is a versatile device designed to monitor the charge status and voltage of various battery types. It features a clear display with an 8-bar charge level indicator and a digital voltage readout. This indicator is suitable for a wide range of applications, including lithium batteries, lead-acid batteries, and those found in cars, motorcycles, bicycles, and trucks.



Figure 1: Front view of the ISOYTERO Blue Battery Charge Level Indicator, displaying both digital voltage and an 8-bar charge level. The display shows a blue digital voltage reading and red/green bars indicating charge.

SETUP AND INSTALLATION

This battery indicator is designed for straightforward installation using a two-wire system. Ensure the device is installed in a suitable location with the specified installation hole dimensions.

Dimensions

- **Product Size:** 4.8 x 2.9 x 2.2 cm (1.89 x 1.14 x 0.87 inches)
- **Installation Hole:** 4.6 x 2.7 cm (1.81 x 1.06 inches)
- **Lead Length:** 20 cm (7.87 inches)

12V-72V



Figure 2: The indicator's physical dimensions are clearly marked, showing its compact size of 48x29x22 mm (1.89x1.14x0.87 inches).

Wiring Instructions

The indicator uses a simple two-wire connection. Connect the red wire to the positive (+) terminal of the battery and the black wire to the negative (-) terminal. The device features reverse connection protection, meaning it will not be damaged if the wires are connected incorrectly.



Figure 3: Rear view of the indicator, showing the red and black wires for connection. The circuit board is visible, indicating the connection points.

OPERATING INSTRUCTIONS

Once properly connected, the indicator will automatically detect the battery voltage and display the charge level. The display provides both a digital voltage reading and an 8-bar graphical representation of the battery's charge status.

Reading the Display

- The large blue digits indicate the current battery voltage.
- The 8-bar graphic shows the charge level:
 - The first two bars are red, indicating lower charge levels.
 - The remaining six bars are green, indicating higher charge levels.
- The 8-level power display corresponds to: 10%, 25%, 40%, 50%, 60%, 75%, 90%, Full.

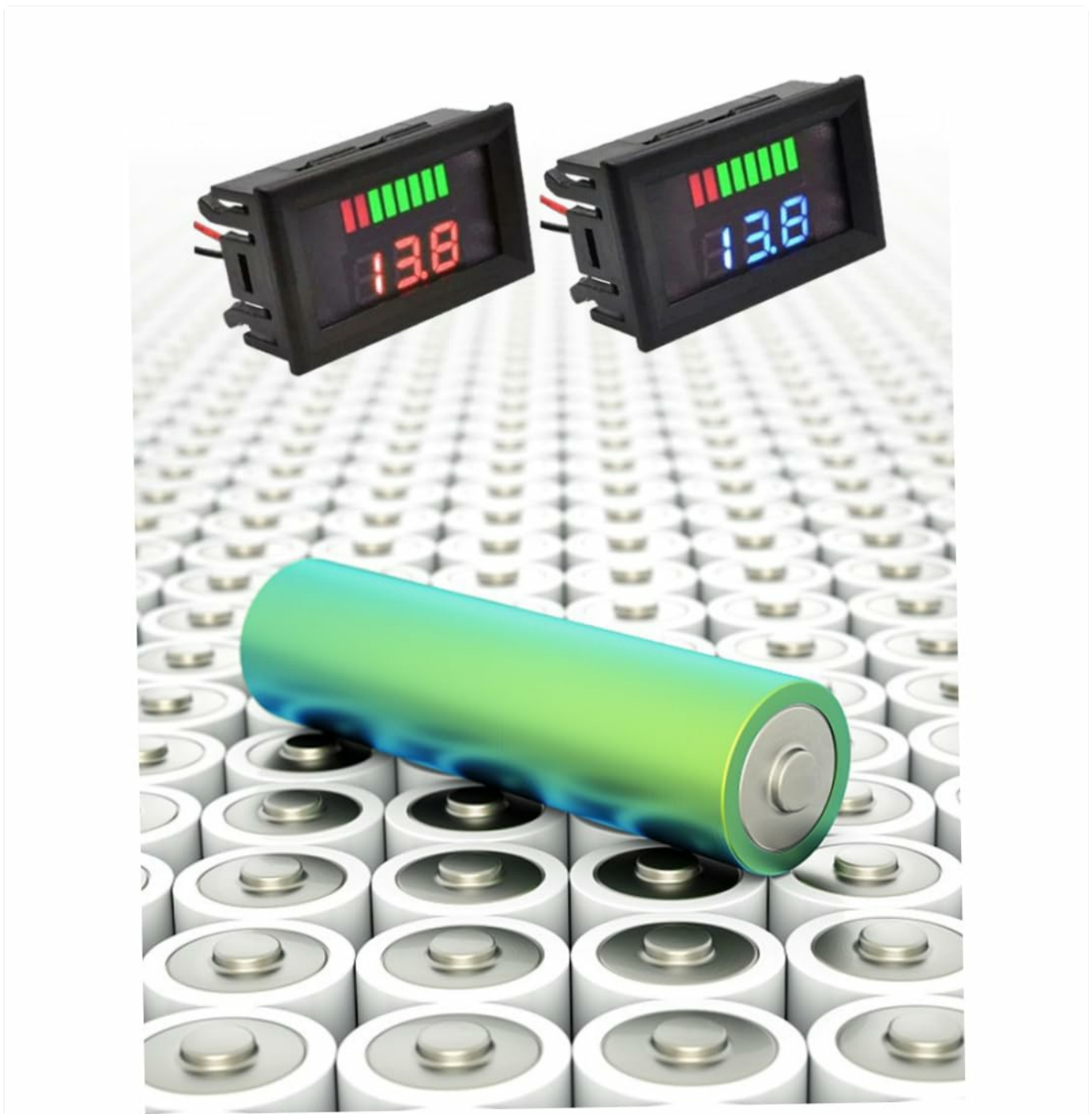


Figure 4: A close-up view of the indicator's display, highlighting the digital voltage reading and the multi-colored charge level bars (red and green).

Compatible Battery Types and Voltages

The indicator is compatible with a wide range of battery voltages and types, automatically recognizing the connected battery's voltage.

- **Lead-acid Batteries:** 6V, 12V, 24V, 36V, 48V, 60V, 72V
- **Lithium Batteries:** 36V, 48V, 60V
- **Other Types:** Polymer batteries, nickel-metal hydride batteries.



Figure 5: The indicator is shown with a label indicating its compatibility with 12V-72V battery systems, demonstrating its broad application range.

MAINTENANCE

The ISOYTERO Battery Charge Level Indicator requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or excessive moisture.
- Ensure all connections remain secure.

TROUBLESHOOTING

If you encounter issues with your battery charge level indicator, refer to the following common troubleshooting steps:

- **No Display:**

- Check if the red and black wires are securely connected to the correct battery terminals (+ and -).
- Verify that the battery itself has sufficient charge to power the indicator.

- **Incorrect Reading:**

- Ensure the indicator is connected to the correct battery voltage system (e.g., 12V, 24V). The device automatically recognizes voltage, but extreme discrepancies might affect accuracy.
- Check for any loose connections that might cause intermittent readings.

- **Display Flickering:**

- This could indicate an unstable power supply or loose connection. Re-check wiring.

If the issue persists after following these steps, please contact customer support.

SPECIFICATIONS

Feature	Specification
Brand	ISOYTERO
Model Number	UGH250407QRG03D61FR-02
Color	Blue
Material	Plastic
Product Dimensions (L x W x H)	4.8 x 2.9 x 2.2 cm (1.89 x 1.14 x 0.87 inches)
Installation Hole Dimensions	4.6 x 2.7 cm (1.81 x 1.06 inches)
Lead Length	20 cm (7.87 inches)
Working Current	5-15mA
Voltage Tolerance	± 1%
Refresh Speed	300ms
Compatible Voltages	6V, 12V, 24V, 36V, 48V, 60V, 72V (Lead-acid); 36V, 48V, 60V (Lithium)
Display Type	Digital Voltage + 8-bar Charge Level (2 red, 6 green)
Weight	20 Grams
Origin	China

WARRANTY AND SUPPORT

Information regarding specific warranty terms for the ISOYTERO Blue Battery Charge Level Indicator is not provided in this manual. For warranty claims, technical support, or further assistance, please refer to the seller's information or contact the point of purchase.

