

AMONIDA AMONIDA84u6sehogx

Lithium Battery Percent Meter User Manual

Model: AMONIDA84u6sehogx

PRODUCT OVERVIEW

The AMONIDA Lithium Battery Percent Meter is an accurate, embedded, and splash-proof voltage and percentage detector designed for various lithium battery types. It provides clear and intuitive LCD displaying of remaining battery voltage and percentage data, making it an essential tool for monitoring battery status.



This image shows the AMONIDA Lithium Battery Percent Meter from an angled perspective, highlighting its compact black casing and the clear LCD screen displaying battery voltage and percentage. The screen features a graphical battery indicator with colored segments (red, yellow, cyan, blue) and numerical readouts for voltage and percentage.

Key Features

- **LCD Clear Displaying:** Provides clear and intuitive display of battery status.
- **Suitable Batteries:** Compatible with 12V, 24V, 36V, 48V, 60V, 72V lithium iron battery or ternary polymers lithium battery.
- **Embedded and Splash-Proof Design:** Designed for panel mounting with a sealed, splash-proof rear panel.
- **Remaining Battery Voltage Data:** Accurately measures and displays remaining battery voltage and percentage.

Applications

This battery percentage monitor is suitable for a variety of applications, including:

- Battery production line testing
- Warehouse battery sampling
- PV inverter systems

- Battery repair
- Electronic DIY projects

SETUP AND INSTALLATION

The AMONIDA Lithium Battery Percent Meter is designed for embedded installation, requiring a pre-cut hole in the panel where it will be mounted. The rear part of the panel is splash-proof, ensuring durability in various environments.



This image displays the rear view of the battery meter, showing the compact black casing and the connection port for wiring. This view is important for understanding how the device is embedded and connected within a system.

Wiring Instructions

Connect the provided wires to the appropriate terminals on your battery system. Ensure correct polarity to prevent damage to the meter or battery. The meter operates within a voltage range of DC 8-100V.



This image shows the AMONIDA Lithium Battery Percent Meter alongside its connecting wires (red and black). This illustrates the simple wiring setup required for installation, emphasizing the compact connector.

OPERATION

Display Information

The LCD screen provides a combined display of battery electricity (graphical), battery voltage, and power percentage. A single button allows for interaction with the device.

COMBINED DISPLAY PLAIN AND SIMPLE



This image clearly labels the different elements on the meter's LCD display: the graphical electricity indicator, the numerical battery voltage reading, the power percentage, and the location of the key press button. This visual aid helps users quickly understand the information presented on the screen.

Changing Battery Specifications

If you need to adjust the battery specification setting during use, follow these steps:

1. Press and hold the button for 1 second until the word "60VL" (or similar, depending on current setting) appears on the screen. Release the button.
2. Briefly press the button to cycle through and select the desired battery specification.
3. Press and hold the button for 1 second, or cease button interaction for 2 seconds, to save the new data and return to the normal display.

Voltage Calibration

The product is factory-calibrated. However, if you observe a deviation, you can perform a self-calibration:

1. Press and hold the button while the device is powered off.
2. Input a standard DC 20V voltage to the meter.
3. The LCD will display "CAL PASS" and then return to the normal display interface, indicating successful calibration. You can then release the button.

SPECIFICATIONS

Attribute	Detail
Item Model Number	AMONIDA84u6sehogx
Material	PC
Model	PZEM 009
Voltage Range	DC 8-100V
Screen Type	LCD

Measurement Accuracy	1% (± 1 word)
Package Dimensions	3.15 x 1.57 x 1.18 inches
Manufacturer	AMONIDA
ASIN	B0CGSP9CHQ

MAINTENANCE

To ensure the longevity and accurate performance of your Lithium Battery Percent Meter, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the display and casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the screen or housing.
- **Environmental Conditions:** While the rear panel is splash-proof, avoid submerging the device in water or exposing it to extreme temperatures or humidity.
- **Connections:** Periodically check the wiring connections to ensure they are secure and free from corrosion.

TROUBLESHOOTING

If you encounter issues with your Lithium Battery Percent Meter, consider the following common troubleshooting steps:

- **No Display:**
 - Verify that the power connections are secure and correctly wired (positive to positive, negative to negative).
 - Ensure the input voltage is within the specified DC 8-100V range.
- **Inaccurate Readings:**
 - Confirm that the correct battery specification is set according to the "Changing Battery Specifications" section.
 - Perform a voltage calibration as described in the "Voltage Calibration" section.
 - Check the battery itself for proper function and charge.
- **Intermittent Display:**
 - Inspect wiring for loose connections or damage.
 - Ensure the operating environment is stable and free from excessive electrical noise.

If problems persist after attempting these steps, contact customer support for further assistance.