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› Pteanecay JBD Smart UART Port LCD Displayer (Model 500733316) User Manual

Pteanecay 500733316

Pteanecay JBD Smart UART Port LCD Displayer User Manual

Model: 500733316

1. INTRODUCTION

This manual provides instructions for the Pteanecay JBD Smart UART Port LCD Displayer, designed for use with Lithium Battery Management Systems (BMS) that support JBD Smart communication protocols. This displayer allows users to monitor various parameters of their lithium battery system.

Key Features:

- UART or RS485 LCD Displayer
- Monitors parameters on the LCD display
- Supports all JBD Smart BMS systems

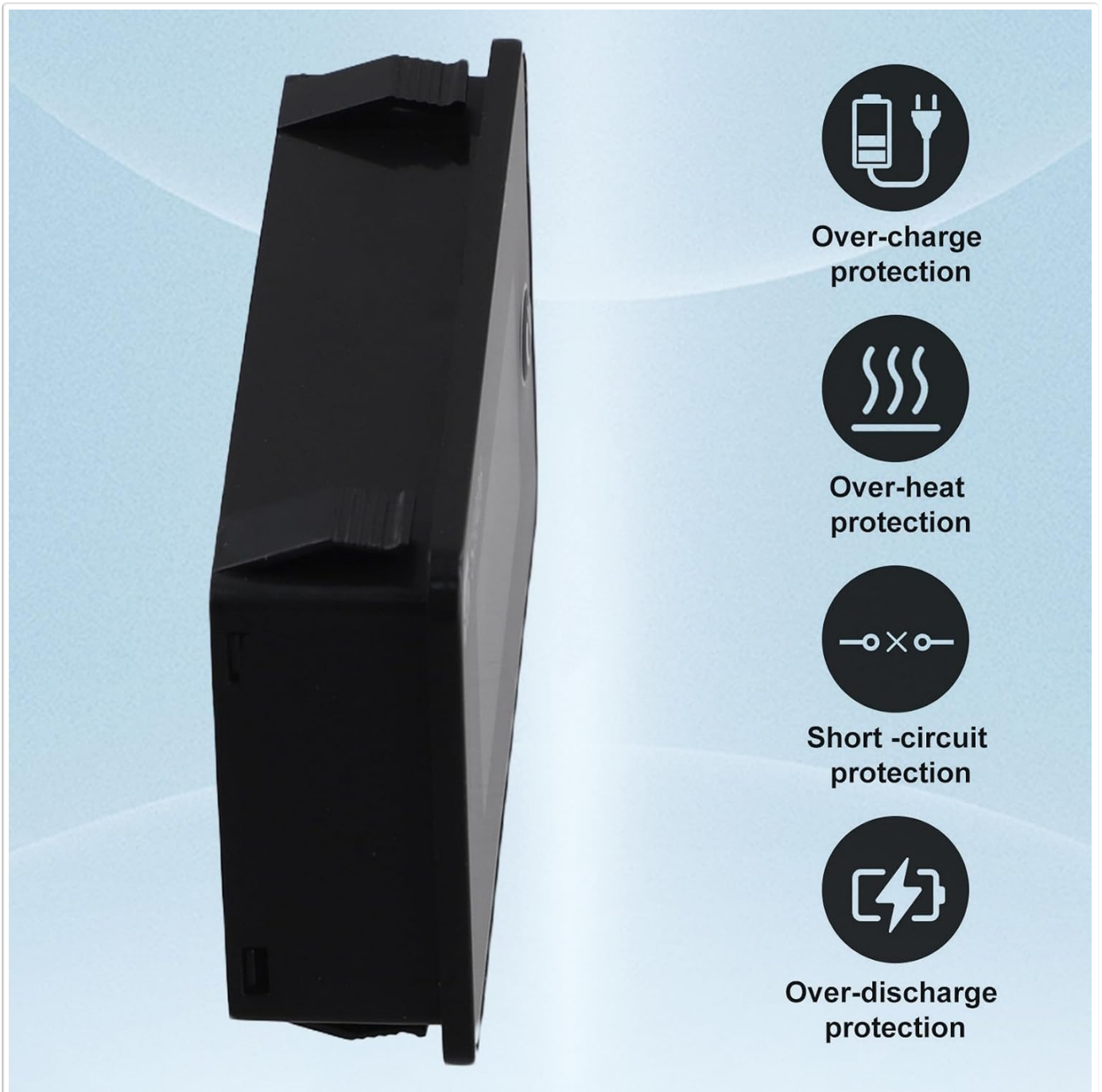


Figure 1: Front view of the JBD Smart LCD Displayer. The displayer is black and features a clear screen for parameter monitoring.

**BEFORE PURCHASING RS485 MODULE, PRESURE IF
THE DEVICE SUPPORTS RS485 FUNCTION.**



Figure 2: Side view of the JBD Smart LCD Displayer, illustrating its built-in protection features for battery safety.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1x JBD Smart UART Port LCD Displayer (Black)

3. SETUP

The JBD Smart UART Port LCD Displayer connects to your JBD Smart BMS system via its UART port. Ensure your BMS supports UART communication.

1. Locate the UART communication port on your JBD Smart BMS.
2. Connect the appropriate cable (not included, typically supplied with BMS or displayer) from the BMS UART port to the corresponding port on the LCD Displayer.
3. Ensure the connection is secure.

MATERIAL:PLASTIC



Figure 3: Back view of the JBD Smart LCD Displayer, showing the connection port. The device is constructed from plastic.

4. OPERATING INSTRUCTIONS

Once connected, the LCD displayer will power on and begin to show real-time parameters from your JBD Smart BMS. The specific parameters displayed may vary based on your BMS model and configuration.

Use the buttons on the displayer (if present) to navigate through different screens or settings as per your BMS system's capabilities.

COLOUR:BLACK



Figure 4: Front view of the JBD Smart LCD Display, ready for operation.

5. IMPORTANT NOTES AND WARNINGS

- **UART and Bluetooth:** The UART and Bluetooth communication functions typically share the same port and cannot be used simultaneously.
- **UART/Bluetooth and RS485:** UART/Bluetooth and RS485 communication can be used at the same time if your BMS supports both.
- **JBD Smart Functionality:** All JBD Smart BMS devices include both Bluetooth and UART functions.
- **CANbus Conversion:** UART communication can be converted to CANbus communication if required. This requires a separate UART to CAN converter module (not included).
- **RS485 Module Compatibility:** Before purchasing an RS485 module, ensure that your device specifically supports the RS485 function.
- **Accessory Compatibility:** Only devices with the corresponding function ports can utilize specific accessories.

- **Appearance Variations:** Due to different product batches, the appearance of the displayer may vary slightly, but this does not affect its functionality or use.
- **Measurement Accuracy:** Light reflection and different display settings may cause the color of the item in pictures to appear slightly different from the actual product. The allowed measurement error is +/- 1-3cm.

**ONLY THOSE WITH THE FUNCTION PORTS CAN USE
THE ACCESSORIES ACCORDINGLY.**



Figure 5: Emphasizing the importance of matching accessories to available function ports.

1X DISPLAY(UART)



Hard and durable



Anti-corrosion



Stable signal transmission

Figure 6: Highlighting the displayer's UART capability and robust design features.

6. SPECIFICATIONS

Specification	Value
Product Dimensions	4.33 x 1.97 x 1.18 inches
Item Weight	0.811 ounces
Item Model Number	500733316
Manufacturer	Pteanecay
Material	Plastic

7. TROUBLESHOOTING

If the displayer is not functioning as expected, consider the following:

- **No Display:** Ensure all connections between the displayer and the JBD Smart BMS are secure. Verify that the BMS is powered on.
- **Incorrect Readings:** Confirm that the displayer is compatible with your specific JBD Smart BMS model.
- **Communication Issues:** Remember that UART and Bluetooth typically cannot be used simultaneously. If using RS485, ensure your BMS supports it and the module is correctly installed.

8. MAINTENANCE

To ensure the longevity and proper functioning of your LCD displayer:

- Keep the displayer clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Do not use harsh chemicals or abrasive cleaners on the display screen or casing.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your JBD Smart BMS or contact the manufacturer, Pteanecay, directly. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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