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BRPOM BM502

BRPOM BM502 Car Jump Starter User Manual

Model: **BM502** | Brand: **BRPOM**

1. Introduction

This manual provides essential information for the safe and effective operation of your BRPOM BM502 Car Jump Starter. Please read thoroughly before use to ensure proper handling and to maximize the lifespan of your device.

Important Safety Information

- Always ensure the product is fully charged before first use to avoid "virtual power" situations.
- Do not connect the red (positive) clamp to the negative (-) terminal or the black (negative) clamp to the positive (+) terminal of the vehicle battery.
- Immediately remove the jump cables from the vehicle battery and then from the jump starter once the engine has started.
- Keep out of reach of children.
- Do not disassemble or modify the device.
- Avoid exposure to extreme temperatures, direct sunlight, or moisture.

2. Package Contents

What's in the Box

- 1 x BRPOM Jump Starter
- 1 x Smart Jumper Cable
- 1 x Type-C Charging Cable
- 1 x User Manual
- 1 x Portable Storage Box

An image showing the BRPOM jump starter, smart jumper cables, Type-C charging cable, user manual, and portable storage box.

3. Product Overview

The BRPOM BM502 Car Jump Starter is a versatile device designed for emergency vehicle starting, portable power, and illumination.

Key Features:

- **7000A Peak Current:** Reliably starts all 12V dead batteries, including up to ALL Gas/10L Diesel engines.
- **26800mAh Backup Battery Charger Power Bank:** Features 2 smart USB output ports (including 18W Quick Charge) for charging mobile devices.
- **Bright LED Flashlight:** Offers 3 modes (lighting/flash/SOS) for various circumstances, usable for up to 48 hours constantly.
- **Heavy-Duty Smart Clamp Cables:** Reinforced clamps with extended length, bolder cable for better conductivity, and built-in 8 protections with visible alarms.
- **Large LCD Smart Screen:** Provides clear battery level, operational status, and error indications with user-friendly backlight.

A detailed view of the BRPOM BM502 Car Jump Starter, showing its robust design, LED screen, and included smart jumper cables and charging cable.

Comparison image highlighting the clear LCD screen, multiple protection functions, and LCD screen clipping output voltage of the BRPOM jump starter versus other models.

Close-up of the LCD screen displaying accurate battery level, USB ON indicator, and temperature protection lamp, with a bearing temperature range of -4°F / 140°F.

4. Setup

Initial Charging

Before first use, fully charge the BRPOM BM502 Car Jump Starter. Due to long transportation times, the battery may have "virtual power" and require a full charge to function optimally.

1. Connect the provided Type-C charging cable to the jump starter's Type-C input port.
2. Connect the other end of the cable to a suitable USB power adapter (not included).
3. Allow approximately 4.5 hours for a full recharge. The LCD screen will indicate the charging progress.

5. Operating Instructions

Jump Starting Your Vehicle

1. Insert the smart jump cable into the jump starting port on the jump starter. Ensure a secure connection.
2. Connect the red (positive) clamp to the positive (+) terminal of your vehicle's battery.
3. Connect the black (negative) clamp to the negative (-) terminal of your vehicle's battery.
4. Power on the jump starter by pressing the power button. The LCD screen will display the battery status.
5. Start your car engine. The jump starter is designed to start most vehicles within 1-3 seconds.
6. Immediately remove the smart jump cables from the vehicle battery and then from the jump starter once the engine has started.

A four-step visual guide demonstrating how to jump start a car: inserting the jump cable, connecting clamps to the car battery, starting the engine, and removing the clamps.

Using the LED Flashlight

The jump starter features a bright LED flashlight with multiple modes for various situations.

- **Lighting:** Long press the power button to turn on the flashlight.
- **SOS Modes:** Short press the power button to cycle to SOS mode.
- **Flash Alternatively (Strobe):** Short press the power button to cycle to strobe mode.
- **Warning Modes:** Short press the power button to cycle to warning mode (red and blue flashing

lights).

Visual representation of the four LED light modes: Flashlight (steady illumination), SOS Modes (Morse code SOS signal), Flash Alternatively (strobe light), and Warning Modes (alternating red and blue lights).

Using as a Power Bank

The BRPOM BM502 can also serve as a portable power bank to charge your electronic devices.

- Connect your device's USB charging cable to one of the jump starter's USB output ports (QC3.0 or 5V/2.4A).
- The jump starter will automatically begin charging your device.

An illustration showing the jump starter charging a tablet and a smartphone simultaneously via its USB and Type-C output ports, highlighting its 26800mAh backup power capacity.

Your browser does not support the video tag.

Video Description: This video provides an overview of the BRPOM BM502 Car Jump Starter and its included accessories, demonstrating the contents of the package and highlighting key features.

6. Maintenance and Storage

General Care

- Store the jump starter in its portable storage box in a cool, dry place away from direct sunlight and moisture.
- Avoid dropping or subjecting the device to strong impacts.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasives.
- Recharge the unit every 3-6 months, even if not used, to maintain optimal battery health.

7. Troubleshooting

Common Issues and Solutions

Problem	Possible Cause	Solution
Jump starter does not turn on/low power	Insufficient charge; "virtual power" from long shipping	Fully charge the unit for 4-5 hours before first use.
Vehicle does not start	Incorrect clamp connection; severely dead battery	Ensure clamps are connected correctly (red to positive, black to negative). Check for secure connection.

Problem	Possible Cause	Solution
Error message on LCD screen	Connection issue; internal fault	Refer to the smart clamp's built-in 8 protections and visible alarms for specific error codes. Disconnect and reconnect. If issue persists, contact customer support.

Note on Initial Charge:

As mentioned in the product features, if the unit does not start or charge initially, it may be due to "virtual power" from prolonged shipping. A full charge (4-5 hours) is recommended before the very first use.

8. Specifications

Technical Specifications

Feature	Detail
Brand	BRPOM
Model	BM502
Peak Current	7000A
Battery Capacity	26800mAh
Engine Compatibility	Up to ALL Gas / 10.0L Diesel Engines
Output Ports	2 Smart USB (18W Quick Charge included)
Input Port	Type-C
Full Recharge Time	Within 4.5 hours
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Item Weight	2.44 pounds
Product Dimensions	3 x 13 x 5 inches

9. Warranty and Support

Customer Service

For warranty information, technical support, or any inquiries regarding your BRPOM BM502 Car Jump Starter, please refer to the contact information provided on the product packaging or the official BRPOM website.