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BRPOM BM502

BRPOM BM502 6000A 26800mAh Car Battery Jump Starter User Manual

Model: BM502

1. INTRODUCTION

The BRPOM BM502 is a powerful and versatile car battery jump starter designed to provide emergency starting power for vehicles, act as a portable power bank, and offer emergency lighting. This manual provides essential information for the safe and effective use of your device.

2. PACKAGE CONTENTS

Please check the package contents upon receipt. If any items are missing or damaged, contact customer support.

- BRPOM BM502 Jump Starter Unit
- Smart Jumper Cables
- USB-A to USB-C Charging Cable
- User Manual
- Storage Case

FUNZIONALITÀ ECONOMICA MIGLIORATA!



This image clearly shows all items included in the product package: the BRPOM BM502 jump starter, smart jumper cables, a USB charging cable, the user manual, and a branded carrying case.

3. PRODUCT OVERVIEW

The BRPOM BM502 features a robust design with multiple functionalities:

- **Visual LCD Screen:** Displays battery status, input/output indication, and operating temperature.
- **Powerful Smart Clamps:** Equipped with 8 intelligent protection systems including short-circuit, overload, deep discharge, reverse connection, reverse polarity, overcurrent, high temperature, and reverse charge protection. The updated cables are longer and thicker for improved conductive performance.
- **Integrated LED Light:** Offers 4 modes: standard illumination, strobe, SOS signal, and warning light.
- **USB Power Bank Functionality:** Two smart USB outputs (including an 18W Quick Charge port) for charging electronic devices.



This image displays the BRPOM BM502 jump starter unit, its smart jumper cables (red and black clamps), a USB charging cable, and a black zippered carrying case, showcasing the complete product package.

PERCHÉ È NECESSARIO UN DISPOSITIVO DI AVVIAMENTO PER AUTO?



A person is shown using the BRPOM BM502 jump starter's integrated LED light under a car hood, with icons detailing the four available light modes: standard illumination, SOS signal, strobe light, and warning light.

4. SPECIFICATIONS

Feature	Specification
Peak Current	6000A
Battery Capacity	26800mAh
Engine Compatibility	Up to All Gas Engines, Up to 8.5L Diesel Engines
Output Voltage	12V
USB Outputs	2 Smart USB Outputs (including 18W Quick Charge)
LED Modes	Lighting, Strobe, SOS, Warning
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Weight	1.07 Kilograms
Dimensions (L x W x H)	7.62 x 33.02 x 12.7 cm
Battery Composition	Lithium-ion



The image illustrates the BRPOM BM502 jump starter next to a Jeep Wrangler, with icons indicating compatibility for 4.0L, 6.0L (gas), and 8.5L (diesel) engines, suitable for cars, trucks, and vans.

BATTERIA DI GRANDE CAPACITÀ



This image highlights the jump starter's LCD screen, showing a 100% battery level, USB active status, and a temperature protection lamp. It also indicates an operating temperature range of -4°F to 140°F.

5. SETUP

5.1 Initial Charging

Before first use, fully charge the BRPOM BM502. Connect the included USB-A to USB-C charging cable to the jump starter's input port and a suitable USB power adapter (not included). The LCD screen will display the charging status and battery percentage. A full charge is indicated by 100% on the screen.

5.2 Maintaining Charge

To prolong the product's lifespan and ensure it's ready for emergencies, recharge the unit every three months, even when not in use. This applies to all electronic devices with internal batteries.

6. OPERATING INSTRUCTIONS

6.1 Jump Starting a Vehicle

1. Ensure the BRPOM BM502 jump starter is sufficiently charged (preferably above 50%).
2. Insert the blue plug of the smart jumper cables firmly into the jump start port on the BRPOM BM502 unit.
3. Connect the **red (+) clamp** to the positive (+) terminal of the vehicle's dead battery.
4. Connect the **black (-) clamp** to the negative (-) terminal of the vehicle's dead battery.
5. Once connected correctly, the smart clamp's indicator light will show a solid green. If it shows red or flashes, check the connections for proper polarity and contact.
6. Start the vehicle's engine.
7. Once the vehicle starts, **immediately remove the jumper cables** from the vehicle battery (black first, then red), then disconnect the blue plug from the jump starter.

Important: Do not leave the jump starter connected to the vehicle battery after the engine has started.



A four-panel image illustrating the jump-starting process: 1. Inserting the jumper cable into the device. 2. Connecting clamps to the car battery. 3. Starting the car engine. 4. Removing the clamps after the car starts.

6.2 Using as a Power Bank

The BRPOM BM502 can charge various electronic devices. Connect your smartphone, tablet, laptop, or other USB-powered devices to the USB output ports using their respective charging cables. The 18W Quick Charge port provides faster charging for compatible devices.

6.3 Using the LED Flashlight

The integrated LED light offers multiple modes for different situations:

- **To turn on/off:** Press and hold the power button for 3 seconds.
- **To cycle modes:** Once the light is on, short press the power button to switch between Lighting, Strobe, SOS, and Warning modes.

7. SAFETY INFORMATION

Read all safety warnings and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Do not short-circuit the smart clamps by connecting the red and black clamps together.
- Do not jump start a frozen or severely damaged battery.

- Do not expose the unit to extreme temperatures (above 140°F / 60°C or below -4°F / -20°C) or water.
- Keep out of reach of children.
- Ensure proper ventilation when using the device.
- Remove the jumper cables immediately after the vehicle engine starts to prevent damage.
- Do not attempt to disassemble or modify the unit.
- Use only the provided smart jumper cables.

8. MAINTENANCE

- Clean the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- Store the jump starter in its carrying case in a cool, dry place when not in use.
- Recharge the unit every three months to maintain optimal battery health, even if it has not been used.

9. TROUBLESHOOTING

9.1 Unit Not Turning On

Solution: Ensure the unit is charged. If not, connect it to a power source using the USB charging cable and charge it fully.

9.2 Vehicle Not Starting

Solutions:

- Check all cable connections. Ensure the smart clamps are securely attached to the correct battery terminals (red to positive, black to negative).
- Observe the smart clamp indicator light. If it shows red or flashes, refer to the smart clamp's specific error indications (usually detailed on the clamp itself or in the manual).
- The vehicle battery might be severely damaged or completely dead, requiring professional assistance.
- Ensure the jump starter has sufficient charge (above 50%).

9.3 Smart Clamp Indicator Shows Red/Flashing

Solution: This typically indicates an incorrect connection, reverse polarity, or another safety issue. Disconnect the clamps, re-read the jump-starting instructions carefully, and reconnect them ensuring correct polarity and a secure connection. If the issue persists, the vehicle battery may have an internal fault.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your BRPOM BM502 jump starter, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Related Documents - BM502

 <p>BRPOM Car Jump Starter User Manual BRPOM BM501 Jump Starter brpom_service@outlook.com</p>	<p>BRPOM BM501 Auto-Starthilfe Benutzerhandbuch: Leistungsstarker Fahrzeug-Booster</p> <p>Umfassendes Benutzerhandbuch für den BRPOM BM501 Auto-Starthilfe. Erfahren Sie mehr über Funktionen, technische Daten, Bedienung und Sicherheitshinweise für Ihren BRPOM BM501 Jump Starter.</p>
 <p>BRPOM Car Jump Starter User Manual BRPOM BM200 Jump Starter brpom_m_service@outlook.com</p>	<p>BRPOM BM200 Car Jump Starter User Manual</p> <p>Comprehensive user manual for the BRPOM BM200 Car Jump Starter, detailing features, technical specifications, operation, safety guidelines, troubleshooting, and maintenance.</p>
	<p>BRPOM BM600 Jump Starter & Air Compressor User Manual</p> <p>This user manual provides instructions for the BRPOM BM600 Jump Starter & Air Compressor, covering its features, operation, safety precautions, and technical specifications. Learn how to jump-start a car, use the air compressor, charge devices, and maintain the unit.</p>