

BRPOM BM501

BRPOM Car Jump Starter User Manual

Model: BM501

INTRODUCTION

The BRPOM Car Jump Starter (Model BM501) is a powerful and versatile portable device designed to jump-start 12V vehicles with dead batteries. It features a 6000A peak current and a 26800mAh capacity, capable of starting all gas engines and up to 10L diesel engines. Beyond jump-starting, it functions as a portable power bank for electronic devices and includes an emergency LED flashlight with multiple modes. This manual provides essential information for safe and effective use, maintenance, and troubleshooting.



Image: The BRPOM Car Jump Starter, its smart jumper cables, USB-C charging cable, and a compact carrying case.

Safety Information

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

- Always ensure proper polarity connection (red clamp to positive, black clamp to negative) to avoid sparks or damage.
- Do not jump-start a frozen battery.
- Do not connect the positive and negative clamps together.
- Keep out of reach of children.
- Do not expose the device to extreme temperatures (outside -20°C to 60°C) or moisture.
- Fully charge the unit before first use and periodically to maintain battery health.
- Remove the jump starter from the vehicle battery within 30 seconds after the engine starts.

PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package:

- BRPOM Car Jump Starter (Model BM501)
- Smart Jumper Cables with Digital Display
- USB-C Charging Cable
- User Manual (this document)
- Storage Case



Image: All components included in the BRPOM Car Jump Starter package, neatly arranged.

PRODUCT OVERVIEW

The BRPOM BM501 is engineered for reliability and convenience. Key features include:

- **High Peak Current:** 6000A peak current for powerful jump-starting.
- **Large Battery Capacity:** 26800mAh battery, capable of up to 50 jump starts on a single charge.
- **Wide Engine Compatibility:** Suitable for all 12V gas engines and up to 10L diesel engines.
- **Multi-functional LED Flashlight:** Features lighting, flash, and SOS modes for emergencies, usable for up to 48 hours continuously.
- **Power Bank Functionality:** Two smart USB output ports (including 18W Quick Charge) to rapidly charge phones and tablets.
- **Advanced Safety Protection:** Smart jumper cables with 8 built-in protections (short circuit, overcharge, over-discharge, reverse connection, reverse polarity, overcurrent, over-heat) and visible alarms.
- **Built-in Compass:** For navigation during outdoor adventures.

72 HOURS+



Spotlight



Strobe



SOS



**Red and Blue
Warning**



Image: The jump starter's integrated LED flashlight demonstrating its multiple illumination and warning modes.



Image: The jump starter acting as a power bank, charging a tablet and a smartphone.



Image: Illustration of the smart jumper cables' multiple protection features, ensuring safe operation.

SETUP

1. **Initial Charge:** Before first use, fully charge the BRPOM Car Jump Starter. Connect the USB-C charging cable to the device's Type-C input port and a compatible USB wall adapter (not included). The battery indicator lights will show charging progress. A full charge typically takes about 4.5 hours.
2. **Check Battery Level:** Press the power button once to check the current battery level. Ensure at least three indicator lights are solid for optimal jump-starting performance.
3. **Store Properly:** After charging, store the jump starter and all accessories in the provided storage case in a cool, dry place.

OPERATING INSTRUCTIONS

Jump Starting Your Vehicle

1. **Step 1: Insert Jumper Cable:** Insert the blue plug of the smart jumper cable into the jump starter's 12V output port. The digital display on the smart cable will show the working status.
2. **Step 2: Connect Clamps:** Connect the red clamp to the positive (+) terminal of the vehicle's dead battery and the black clamp to the negative (-) terminal. The smart cable's display will indicate a correct connection.
3. **Step 3: Start Engine:** Go into your vehicle and start the engine.
4. **Step 4: Remove Clamps:** Once the engine starts, immediately remove the smart jumper cables from the vehicle battery within 30 seconds. Then, unplug the smart cable from the jump starter.



Image: Step-by-step guide illustrating the process of jump-starting a car with the device.

Using as a Power Bank

Connect your electronic devices (smartphones, tablets, etc.) to the USB output ports on the jump starter using their respective charging cables. The device will automatically begin charging.

Using the Emergency Flashlight

Press and hold the power button for 3 seconds to turn on the LED flashlight. Press the power button repeatedly to cycle through the different modes: lighting, flash, and SOS. To turn off the flashlight, press and hold the power button again.

MAINTENANCE

- **Regular Charging:** To prolong battery life, fully charge the jump starter every 3-6 months, even if not in use. It has an extreme low self-discharge rate, allowing it to standby for up to 12 months.
- **Cleaning:** Wipe the device and clamps with a dry, soft cloth after each use. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the unit in its carrying case in a cool, dry environment, away from direct sunlight, heat sources, and moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Battery is completely discharged.	Charge the device fully using the USB-C cable.
Vehicle does not start.	Incorrect clamp connection; Jump starter battery too low; Vehicle battery severely damaged.	Check clamp polarity and ensure secure connection; Recharge jump starter; Consult a mechanic for vehicle battery inspection.
Smart cable shows error code.	Indicates a safety protection trigger (e.g., reverse polarity, short circuit).	Refer to the smart cable's digital display for specific error codes and corresponding solutions in the detailed manual. Recheck connections.
Device not charging.	Charging cable or adapter issue; Virtual power situation due to long shipping.	Try a different USB-C cable and adapter. Ensure the device is fully charged for 4-5 hours before first use to resolve virtual power issues.

SPECIFICATIONS

- **Model:** BM501
- **Peak Current:** 6000A
- **Battery Capacity:** 26800mAh
- **Start Voltage:** 12V
- **Engine Compatibility:** All Gas Engines, up to 10L Diesel Engines
- **Type-C Input:** 5V/2A, 9V/2A (Full charge in ~4.5 hours)
- **USB Output 1 (Quick Charge):** 5V/3A, 9V/2A, 12V/1.5A

- **USB Output 2:** 5V/2.1A
- **Operating Temperature:** -20°C to 60°C (-4°F to 140°F)
- **Dimensions:** 4.1"D x 5.4"W x 10"H
- **Item Weight:** 2.44 pounds

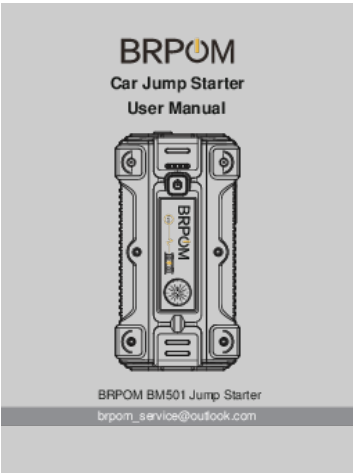


Image: The jump starter's robust performance across a wide range of temperatures.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided on the product packaging or visit the official BRPOM website. Keep your purchase receipt as proof of purchase for warranty claims.

Documents - BRPOM – BM501



[\[pdf\]](#) User Manual

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