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BUVAYE BN03

BUVAYE Car Jump Starter with Air Compressor User Manual

Model: BN03

INTRODUCTION

Thank you for choosing the BUVAYE Car Jump Starter with Air Compressor. This versatile device is engineered to provide reliable power for jump-starting vehicles, inflating tires, and serving as a portable power bank and emergency light source. With its robust 4000A peak current and 150PSI air compressor, it is designed to handle a wide range of automotive and outdoor needs. Please read this manual thoroughly before operation to ensure safe and efficient use.



The BUVAE Car Jump Starter with Air Compressor, featuring jumper cables and inflation hose.

WHAT'S IN THE BOX

Verify that all items are present in your package:

- 1 × BUVAE BN03 Jump Starter with Air Compressor
- 1 × Heavy-Duty Smart Jumper Cables
- 1 × Detachable Air Hose
- 4 × Gas Nozzles
- 1 × USB-C Charging Cable
- 1 × EVA Carrying Case
- 1 × User Manual (this document)



PRODUCT FEATURES

The BUVAYE BN03 is equipped with advanced features for optimal performance and safety:

- **Powerful Jump Starting:** Delivers 4000A peak current, capable of jump-starting 10-liter gasoline and all diesel vehicles up to 60 times on a single charge. Operates effectively in extreme temperatures from -4°F to 140°F.
- **Integrated Air Compressor:** Features an efficient turbocharger system with 35L/Min (150 PSI) output for quick and accurate inflation of car tires, bicycle tires, sports balls, and more.
- **Comprehensive Safety Protections:** Incorporates a smart chip with 10 safety protections, including over-charge, over-current, short-circuit, reverse-polarity, low-temp, high-temp, over-voltage, over-load, spark-proof, and reverse-charge protection. Visual indicators alert users to improper operations.
- **Portable Power Bank:** Equipped with dual Type-C ports for charging mobile devices and other electronics.
- **Multi-mode LED Light:** Includes 3 LED light modes: Flashlight, SOS, and Strobe, ideal for nighttime emergencies or outdoor activities.

COMPREHENSIVE 10 PROTECTION



+140°F/+60°C



-4°F/-20°C



Reverse Polarity
Protection



Over Current
Protection



Over Voltage
Protection



Over Charge
Protection



Over-Discharge
Protection



High-temp
Protection



Low-temp
Protection



Reverse Connection
Protection



Overload
Protection



Short Circuit
Protection

The device features 10 comprehensive safety protections for secure operation.

COMPONENT AND FEATURES



Detailed view of the product's components and their functions.

SETUP

Before using the device, ensure it is adequately charged. It is recommended to keep the battery power above 50% for optimal performance.

Charging the Device

Connect the provided USB-C charging cable to the USB-C Input Port on the device and plug the other end into a suitable USB power adapter (not included). The display will indicate charging status.

Familiarizing with Controls

Refer to the "Component and Features" diagram in the Product Features section to locate the Power Switch, Air Pressure adjustment buttons, Pressure Unit Adjustment, LED Flashlight Switch, USB-A Output, USB-C Input Port, Smart Clip Socket, Inflator Hose Socket, and Jump Start Port.

1. Jump Starting a Vehicle

1. **Step 1: Insert the Smart Clip.** Firmly insert the smart clip connector into the Jump Start Port on the device.
2. **Step 2: Connect to Car Battery.** Connect the red (+) clamp to the positive terminal of the car battery and the black (-) clamp to the negative terminal. Ensure a secure connection. The smart clip will automatically detect the connection.
3. **Step 3: Start Engine.** Once the indicator light on the smart clip turns green, start your car engine.
4. **Step 4: Remove Clamps.** After the engine starts, immediately remove the clamps from the car battery, then disconnect the smart clip from the jump starter.



Visual guide for jump-starting your vehicle.



The device quickly starts dead batteries without sparks.

Your browser does not support the video tag.

Official video demonstrating the jump-starting and air compressor functions of the BUVAYE 4000A Portable Car Jump Starter.

2. Inflating Tires and Other Items

1. **Step 1: Connect Air Hose.** Screw the detachable air hose onto the Inflator Hose Socket on the device. Connect the other end of the air hose to the valve stem of the tire or item you wish to inflate. Use appropriate gas nozzles for different items.
2. **Step 2: Turn On.** Press and hold the power button (often indicated by a "play" or "M" symbol) for 2 seconds to turn on the air compressor. The current pressure will be displayed.
3. **Step 3: Select Mode and Unit.** Long press the "M" button to switch between inflation modes (Car, Motorcycle, Bicycle, Ball). Short press the "M" button to select the desired pressure unit (PSI, BAR, KPA, Kg/cm²).
4. **Step 4: Set Pressure and Start.** Use the "+" and "-" buttons to preset the desired pressure. Once set, press the "play" button to start the pump. The compressor will automatically stop when the preset pressure is reached.



Visual guide for inflating tires with the device.



The 150PSI air compressor provides fast and efficient tire inflation.



The device supports four inflation modes for various needs.

3. Using as a Portable Power Bank

The device can charge your electronic devices via its dual Type-C output ports. Simply connect your device's charging cable to one of the Type-C ports on the jump starter.

EMERGENCY POWER BANK CHARGING & LIGHTING

10000mAh



Use the device as an emergency power bank to charge your mobile devices.

4. Using the LED Light

Press the LED light button (often indicated by a light bulb icon) to cycle through the three available modes:

- **Flashlight:** Provides steady illumination.
- **SOS:** Emits a Morse code SOS signal for emergencies.
- **Strobe:** Produces a rapid flashing light for signaling or warning.



The built-in flashlight is useful for night use and emergencies.



The LED light offers Normal, Strobe, and SOS modes.

MAINTENANCE

- **Regular Charging:** If the jump starter is not used for a long period, charge it every two months to maintain battery health.
- **Optimal Battery Level:** For better starting efficiency, keep the battery starting power above 50%.
- **Cool Down During Inflation:** If the product becomes very hot during continuous tire inflation, allow it to cool for 10 minutes before resuming operation.
- **Temperature Storage:** Avoid leaving the device in extreme hot or cold temperatures (e.g., inside a car during summer or winter) for extended periods, as lithium batteries are sensitive to temperature extremes. Store it indoors when not in use.
- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Low battery or no charge.	Charge the device fully using the provided USB-C cable.
Car does not jump start.	Incorrect clamp connection, low device battery, or car battery is severely damaged.	Ensure clamps are connected correctly (red to positive, black to negative). Check device battery level. If indicator flashes, refer to smart clip warnings. Consult a mechanic if car battery is beyond jump-starting.
Air compressor not inflating.	Air hose not securely connected, incorrect pressure setting, or device battery is low.	Ensure air hose is tightly screwed onto the device and valve stem. Verify preset pressure is higher than current pressure. Charge the device.
Device becomes hot during inflation.	Continuous operation.	This is normal during extended use. Allow the device to cool down for 10 minutes before continuing inflation.
Smart clip indicator flashing.	Indicates a safety protection has been triggered (e.g., reverse polarity, short circuit).	Disconnect immediately and re-check connections. Refer to the safety protection features for specific flashing patterns if detailed in the product's physical manual.

SPECIFICATIONS

Feature	Detail
Brand	BUVAYE
Model	BN03

Feature	Detail
Peak Output Current	4000 Amps
Amperage	4000 Amps
Product Dimensions	6.9"D x 1.9"W x 3.7"H (17.5cm x 4.8cm x 9.4cm)
Item Weight	2.93 pounds
Battery Type	Lithium Ion (4 batteries included)
Air Compressor Pressure	Up to 150 PSI
Operating Temperature	-4°F to 140°F (-20°C to 60°C)



Detailed dimensions of the BUVAYE BN03 Car Jump Starter.


WARRANTY AND SUPPORT




BUVAYE offers a **1-year product quality maintenance** and **lifetime technical support** for this product. For any questions, concerns, or technical assistance, please feel free to contact BUVAYE customer service. Refer to the product packaging or the official BUVAYE website for contact information.



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Related Documents - BN03

	<p>BN03 Jump Starter with Air Compressor User Manual</p> <p>User manual for the BN03 Jump Starter with Air Compressor, providing detailed instructions on product overview, package contents, technical specifications, operation for jump starting and tire inflation, lighting, charging, troubleshooting, safety precautions, and FAQs.</p>
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	<p>AZDOME BN03 Owner's Manual - Installation, Features, and Settings</p> <p>Comprehensive owner's manual for the AZDOME BN03 dashcam. Learn about installation, product features, app connectivity, dashcam settings, firmware updates, GPS player, and warranty information.</p>
	<p>Yuyao Yuanxin Vehicle Equipment Co., LTD. - Product Manual and Specifications</p> <p>Comprehensive product manual detailing various vehicle equipment from Yuyao Yuanxin Vehicle Equipment Co., LTD., including air pumps, emergency power supplies, and car chargers. Features product specifications, model details, and company information.</p>
	<p>AZDOME Dashcam Product Catalog: Barrel, Budget, High-End, Mirror, and 4G Series</p> <p>Explore the comprehensive range of AZDOME dashcams, including 4K, 2K, and 1080P models across Barrel, Budget, High-End, Mirror, and 4G series, featuring GPS, Wi-Fi, advanced sensors, and various recording capabilities for enhanced vehicle security.</p>