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BUVAYE LD12

BUVAYE LD12 Car Jump Starter with Air Compressor - User Manual

Model: LD12 | Brand: BUVAYE

1. SAFETY INFORMATION

Please read and understand all safety information before using the BUVAYE LD12 Car Jump Starter. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always connect the red clamp to the positive (+) terminal and the black clamp to the negative (-) terminal.
- Do not touch the red and black clamps together once connected to the device.
- Ensure the device is fully charged before use for optimal performance.
- Operate in a well-ventilated area.
- Keep out of reach of children.
- Do not expose the device to rain or extreme temperatures outside the specified operating range (-4°F to 140°F).
- The smart jumper cables provide multi-protection features including reverse polarity, overcurrent, overvoltage, overload, overcharge/discharge, high/low temperature, and short circuit protection.
- If the device becomes very hot during inflation, allow it to cool for 10 minutes before continuing.

2. PACKAGE CONTENTS

Verify that all items are included in your BUVAYE LD12 Car Jump Starter package:

- 1x BUVAYE LD12 Car Jump Starter Unit
- 1x Smart Jumper Cables
- 1x Inflatable Hose
- 4x Nozzle Adapters
- 1x USB Charging Cable
- 1x EVA Carrying Case

- 1x User Manual



Figure 2.1: All components included in the BUVAYE LD12 package.

3. PRODUCT OVERVIEW

The BUVAYE LD12 is a versatile 4-in-1 device designed for automotive emergencies and convenience. It combines a powerful car jump starter, a high-performance air compressor, a portable power bank, and an LED flashlight.

- **Car Jump Starter:** Delivers a powerful 4500A peak current, capable of jump-starting 12-volt vehicles (up to 10-liter gasoline and all diesel engines). Operates effectively in temperatures from -4°F to 140°F.
- **Air Compressor:** Features a 150 PSI turbocharger system (35L/Min) for quick inflation of car tires, motorcycle tires, bicycle tires, and sports balls. Includes various nozzle adapters.
- **Portable Power Bank:** Equipped with dual Type-C ports for charging mobile devices and other electronics.
- **LED Light:** Integrated LED light with three modes (Flashlight, SOS, Strobe) for nighttime emergencies or outdoor use.



Figure 3.1: Front view of the BUVAYE LD12 unit, showcasing the display and control buttons.

10 SMART SAFETY PROTECTIONS



Figure 3.2: The smart jumper cables connected to the BUVAYE LD12 unit.



Figure 3.3: The BUVAYE LD12 unit actively inflating a car tire using its integrated air compressor.

DIMENSIONS

LD12 Car Jump Starter

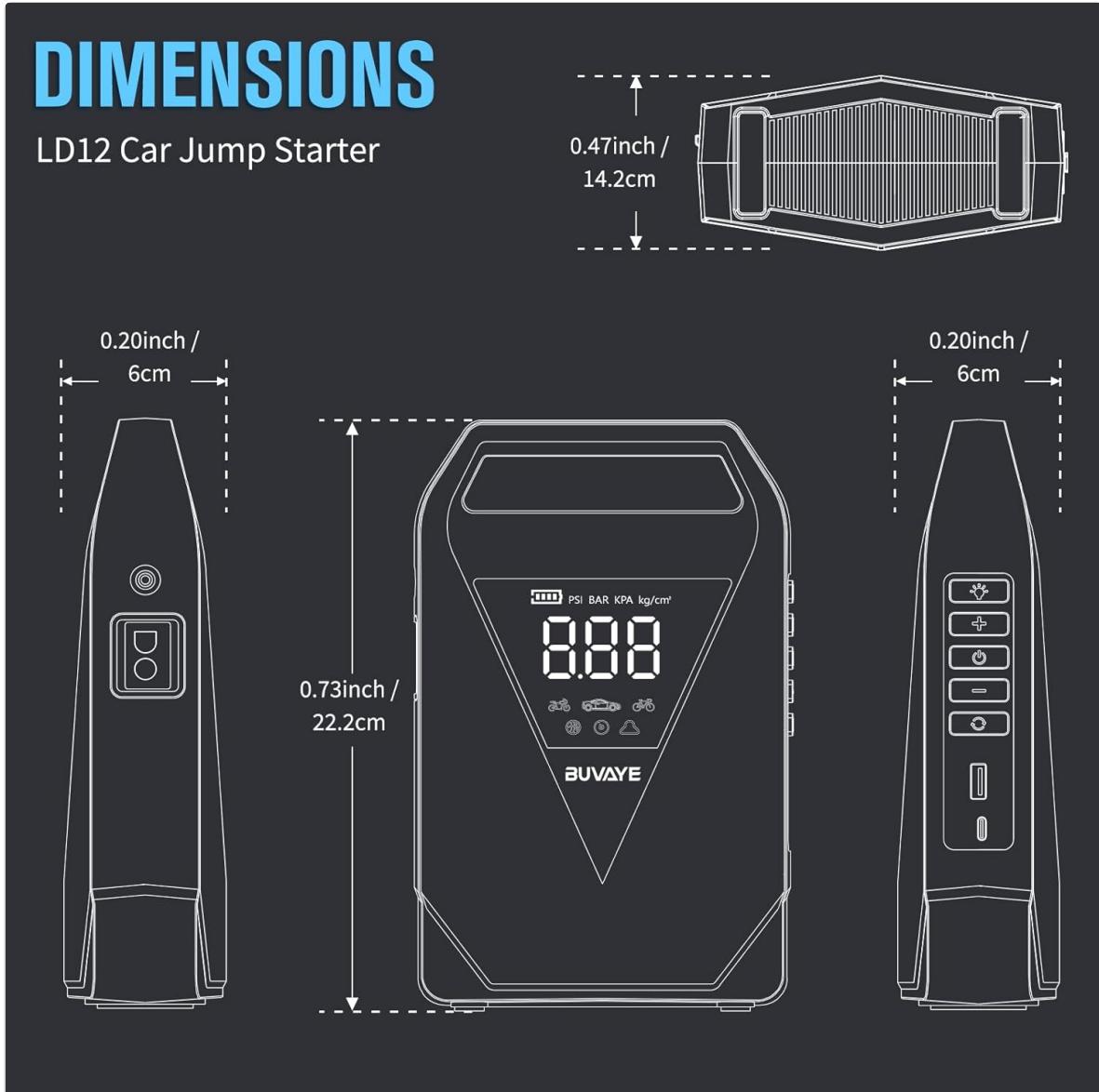


Figure 3.4: Illustration of the three LED light modes: Flashlight, Strobe, and SOS.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the BUVAYE LD12 unit. Connect the provided USB charging cable to the Type-C input port on the device and to a suitable USB power adapter (not included). The display will indicate the charging status. It is recommended to charge the unit every two months if not used for a long time to maintain battery health.

4-IN-1

MULTIFUNCTIONAL



JUMP STARTER



AIR PUMP



USB FAST CHARGING



LED LIGHT



Figure 4.1: Location of the dual Type-C ports for charging the unit and external devices.

5. OPERATING INSTRUCTIONS

5.1 Jump Starting a Vehicle

1. Ensure the BUVAYE LD12 unit has at least 50% battery charge.
2. Insert the smart jumper cable plug into the jump starter port. The red and green indicators on the smart cable will flash alternately.
3. Connect the red (+) clamp to the positive terminal of the vehicle battery and the black (-) clamp to the negative terminal. The smart cable indicator will turn solid green if connected correctly. If it shows red, check connections for reverse polarity.
4. Start your vehicle. If the engine does not start successfully, disconnect the smart cable, wait for at least 1 minute, and try again.
5. Once the vehicle is started, remove the jumper cables from the car battery and the jump starter within 30 seconds.

10 SMART SAFETY PROTECTIONS



Figure 5.1: Visual guide for connecting jumper cables and starting a vehicle.

5.2 Using the Air Compressor

1. Screw the inflatable hose onto the air compressor port on the unit.
2. Attach the other end of the hose to the tire valve or appropriate nozzle adapter for other inflatables.
3. Press the power button to turn on the air pump. The display will show the current pressure.
4. Use the mode button to select the desired inflation mode (car, motorcycle, bicycle, ball, etc.) or manually set the target PSI using the +/- buttons.
5. Press the start button to begin inflation. The compressor will automatically stop once the preset pressure is reached.
6. If the unit becomes hot during continuous use, allow it to cool for 10 minutes before resuming.



Figure 5.2: The BUVAYE LD12 unit connected to a tire for inflation, showing the digital display.

5.3 Using as a Power Bank

The BUVAYE LD12 features dual Type-C output ports to charge your electronic devices. Simply connect your device's charging cable to one of the Type-C ports on the jump starter. The unit will automatically begin charging your device.

5.4 Using the LED Light

Press the dedicated light button on the unit to cycle through the three LED light modes:

- **Flashlight:** Provides steady illumination.
- **SOS:** Flashes the SOS signal for emergency situations.
- **Strobe:** Provides a rapid flashing light for visibility.

DIMENSIONS

LD12 Car Jump Starter

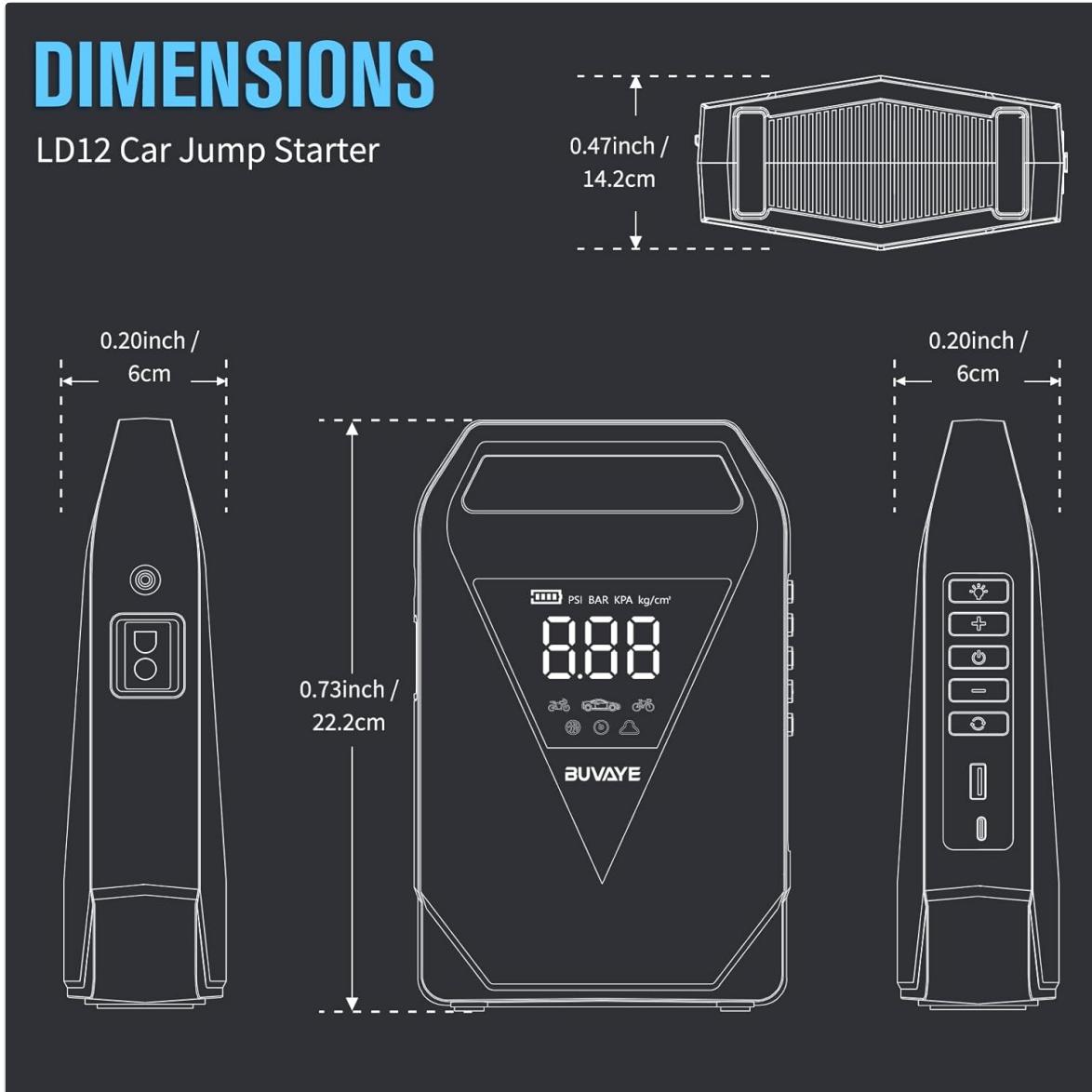


Figure 5.3: The LED light on the BUVAYE LD12 unit, demonstrating its various modes.

6. MAINTENANCE

- Regular Charging:** Charge the jump starter every two months if it is not used for a long period to maintain battery health and longevity.
- Cool Down Period:** If the unit becomes very hot during continuous operation (e.g., prolonged tire inflation), allow it to cool for 10 minutes before further use.
- Optimal Battery Level:** For best jump-starting efficiency, keep the battery power above 50%.
- Storage:** Store the unit in its EVA carrying case in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- Device not turning on:** Ensure the unit is sufficiently charged. Connect to a power source and allow it to charge.

- **Vehicle not starting:** Check that the smart jumper cables are correctly connected (red to positive, black to negative). If the indicator light is red, correct the polarity. If the battery is extremely low, press the BOOST button on the smart cable (if available and indicated by the manual) and try again after 1 minute.
- **Air compressor not inflating:** Verify the inflatable hose is securely screwed onto the unit and attached to the tire valve. Check that the unit is powered on and the desired PSI is set.
- **Device overheating:** Stop use immediately and allow the unit to cool down for at least 10 minutes before resuming operation.

8. SPECIFICATIONS

Feature	Specification
Brand	BUVAYE
Model	LD12
Peak Output Current	4500A
Air Compressor Pressure	150 PSI
Operating Temperature	-4°F to 140°F
Item Weight	1.5 Pounds
Product Dimensions	2 x 5 x 7 inches



Figure 8.1: The BUVAYE LD12 Car Jump Starter unit.

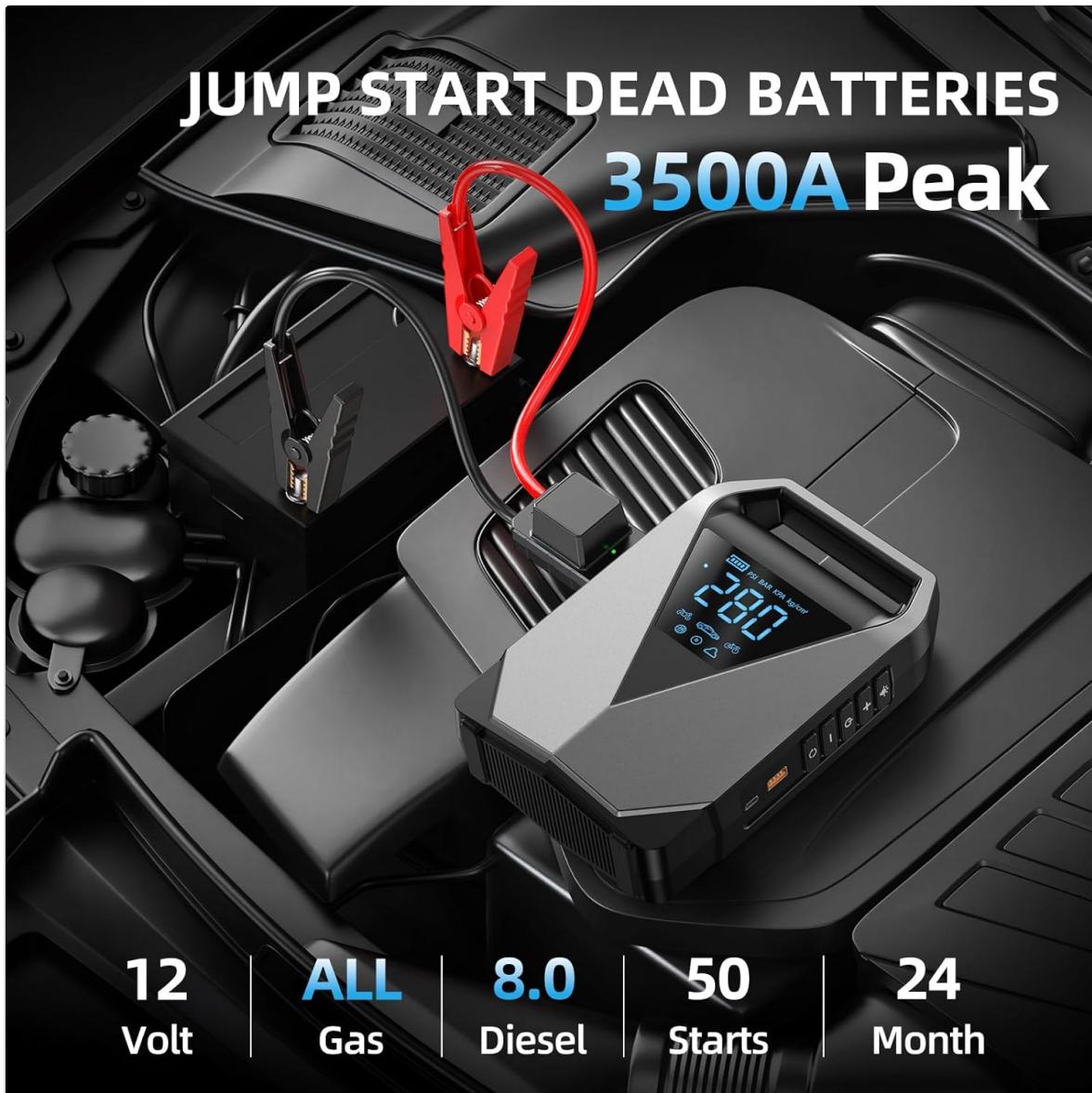


Figure 8.2: Overview of the jump starting capabilities for various vehicle types.

9. WARRANTY AND SUPPORT

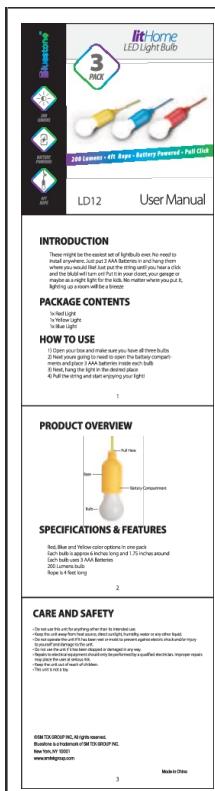
BUVAYE offers a 1-year product quality maintenance and technical support. For any questions, concerns, or technical assistance, please feel free to contact BUVAYE customer support.

Contact information can typically be found on the product packaging or the official BUVAYE website.

10. PRODUCT DEMONSTRATION VIDEO

Your browser does not support the video tag.

Video 10.1: A demonstration of the car battery jump starter with air compressor in use. This video illustrates the connection process for jump-starting a vehicle and the operation of the air compressor for tire inflation.



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User manual and product overview for the Bluestone litHome LD12 LED Light Bulb. Features include 200 lumens, battery power, 4ft rope, and pull-click operation. Learn how to use, specifications, and safety guidelines.



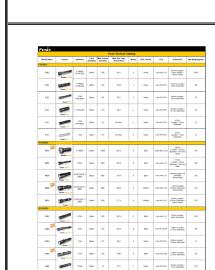
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