

## BUVAYE 1920

# BUVAYE 5000A Jump Starter with Air Compressor User Manual

Model: 1920

## INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for the safe and effective operation, maintenance, and troubleshooting of your BUVAYE 5000A Jump Starter with Air Compressor, Model 1920. This versatile device is designed to quickly start low-voltage and fully-drained 12V vehicle batteries, inflate tires up to 150 PSI, and serve as a portable power bank and emergency flashlight. It is suitable for a wide range of vehicles including cars, pickups, trucks, SUVs, RVs, ATVs, motorcycles, tractors, and lawn mowers, supporting all gas engines and diesel engines up to 10.0L.



Image: The BUVAYE 5000A Jump Starter, showcasing its compact design, digital display, control buttons, and included accessories like jumper cables and inflation nozzles.

## WHAT'S IN THE BOX

Upon opening your package, please verify that all the following components are present and in good condition:

- 1 x BUVAYE 1920 Jump Starter with Air Compressor
- 1 x Heavy-Duty Smart Jumper Cables
- 1 x Detachable Air Hose (13.8" anti-scalding)
- 4 x Multi-function Nozzles (Presta to Schrader adapter, needle adapter, short tapered nozzle, long tapered nozzle)
- 1 x USB-C Charging Cable
- 1 x EVA Carrying Case
- 1 x User Manual (this document)

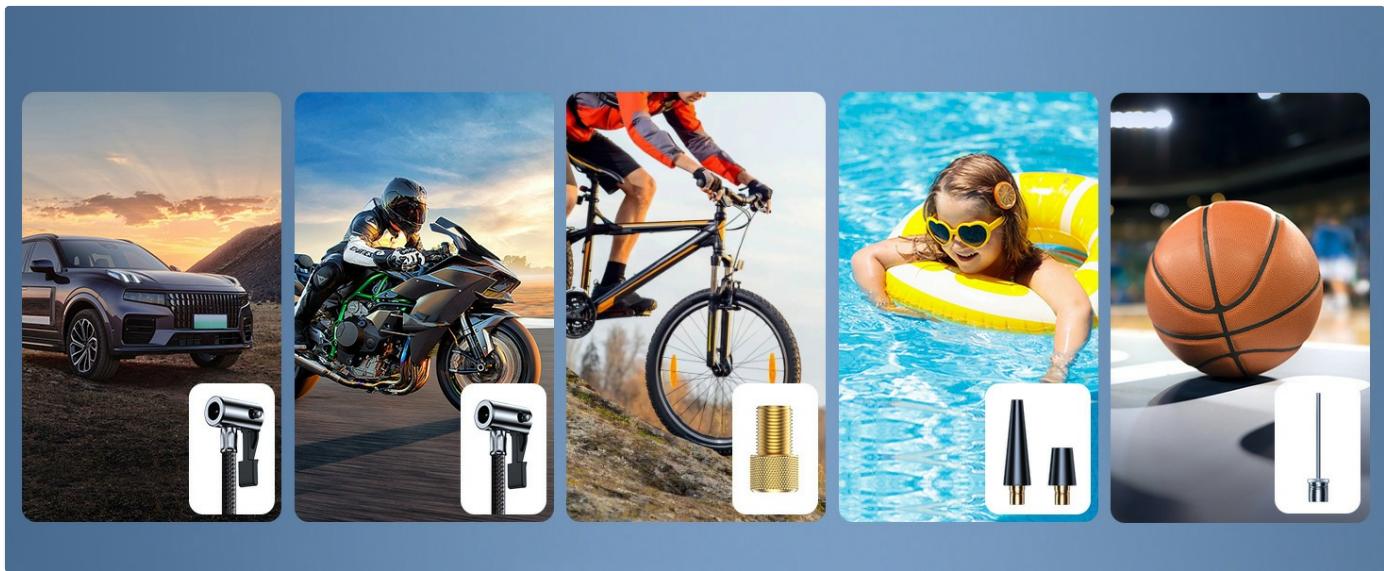


Image: A visual representation of all items included in the BUVAYE 1920 package, clearly labeled for identification.

## SPECIFICATIONS

Feature	Specification
Brand	BUVAYE
Model	1920
Peak Output Current	5000 Amps
Air Compressor Pressure	Up to 150 PSI
Battery Type	Lithium Polymer (4 included)
Product Dimensions (L x W x H)	7.68" x 2.36" x 3.14" (19.5cm x 6.0cm x 8.0cm)
Item Weight	2.75 pounds (1.25 kg)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Flashlight Modes	Flashlight, SOS, Strobe
Charging Ports	Dual Type-C ports



Image: Detailed dimensional drawing of the BUVAYE 1920 Jump Starter, indicating length, width, and height.

## SAFETY PRECAUTIONS

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.

- **General Safety:**

- Do not expose the device to rain or wet conditions.
- Do not operate the device if it has been damaged or modified.
- Keep out of reach of children.
- Ensure proper ventilation during use.
- Do not disassemble the unit. Refer all servicing to qualified personnel.

- **Jump Starting Safety:**

- Always connect the red (+) clamp to the positive (+) terminal of the battery and the black (-) clamp to the negative (-) terminal or a suitable ground point on the vehicle chassis.
- Ensure the smart jumper cables are securely connected to the jump starter before connecting to the vehicle battery.
- Do not touch the red and black clamps together.
- Avoid jump starting a frozen battery.
- The smart jumper cables provide multiple safety protections including reverse connection, overcurrent, overvoltage, overload, overcharge/discharge, and short circuit protection.

- **Air Compressor Safety:**

- Do not over-inflate tires. Always refer to the vehicle manufacturer's recommended tire pressure.
- The air compressor may become hot during prolonged use. Allow it to cool for 10 minutes if it becomes very hot before continuing inflation.
- Ensure the air hose is securely attached to the tire valve before operating the compressor.

# 10 SMART SAFETY PROTECTIONS



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

Image: Visual representation of the 10 smart safety protections integrated into the device, ensuring safe operation.

## SETUP

### Initial Charging

Before first use, fully charge the BUVAYE Jump Starter. It is recommended to keep the battery starting power above 50% for optimal performance and efficiency.

1. Connect the provided USB-C charging cable to the Type-C input port on the jump starter.
2. Connect the other end of the USB-C cable to a suitable USB power adapter (not included) or a powered USB port.
3. The LCD screen will display the charging status. Charge until the battery indicator shows full.

*Note:* For long-term storage, charge the jump starter every two months to maintain battery health.

### OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

Follow these steps carefully to jump start your vehicle:

- 1. Insert Smart Clip:** Insert the blue end of the smart jumper cables into the jump starter's designated port. Ensure a firm connection.
- 2. Connect Clamps:** Connect the red (+) clamp to the positive (+) terminal of the vehicle's battery. Connect the black (-) clamp to the negative (-) terminal of the vehicle's battery or a suitable unpainted metal part of the engine block/chassis.
- 3. Verify Indicator:** Check the indicator light on the smart jumper cable. If it's green, the connection is correct and safe to proceed. If it's red or flashing, check your connections and refer to the troubleshooting section.
- 4. Start Engine:** Once the indicator light is green, start your car engine.
- 5. Remove Clamps:** After the engine starts, immediately remove the black (-) clamp first, then the red (+) clamp from the vehicle battery. Disconnect the smart jumper cables from the jump starter.



Image: Step-by-step visual instructions for safely jump starting a vehicle with the BUVAYE device.

# START DEAD BATTERIES



Image: The jump starter unit connected to a car battery, ready to provide a boost.

## OPERATING INSTRUCTIONS: AIR COMPRESSOR

The integrated air compressor can inflate tires and other inflatables up to 150 PSI.

- Connect Air Hose:** Screw the air hose securely onto the valve stem of the tire or inflatable. Use the appropriate nozzle adapter if needed.
- Power On:** Press and hold the power button (↻) for 2 seconds to turn on the device. The LCD screen will illuminate.
- Select Mode & Unit:**
  - Long press the unit adjustment button (↻) to switch between inflation modes (car, motorcycle, bicycle, ball).
  - Short press the unit adjustment button (↻) to select the desired pressure unit (PSI, Bar, Kpa, Kg/cm<sup>2</sup>).
- Set Pressure:** Use the "+" and "-" buttons to set the desired target pressure. The current pressure will be displayed on the screen.
- Start Inflation:** Press the power button (↻) to start the air compressor. It will automatically stop once the preset

pressure is reached.

6. **Disconnect:** Unscrew the air hose from the valve stem.

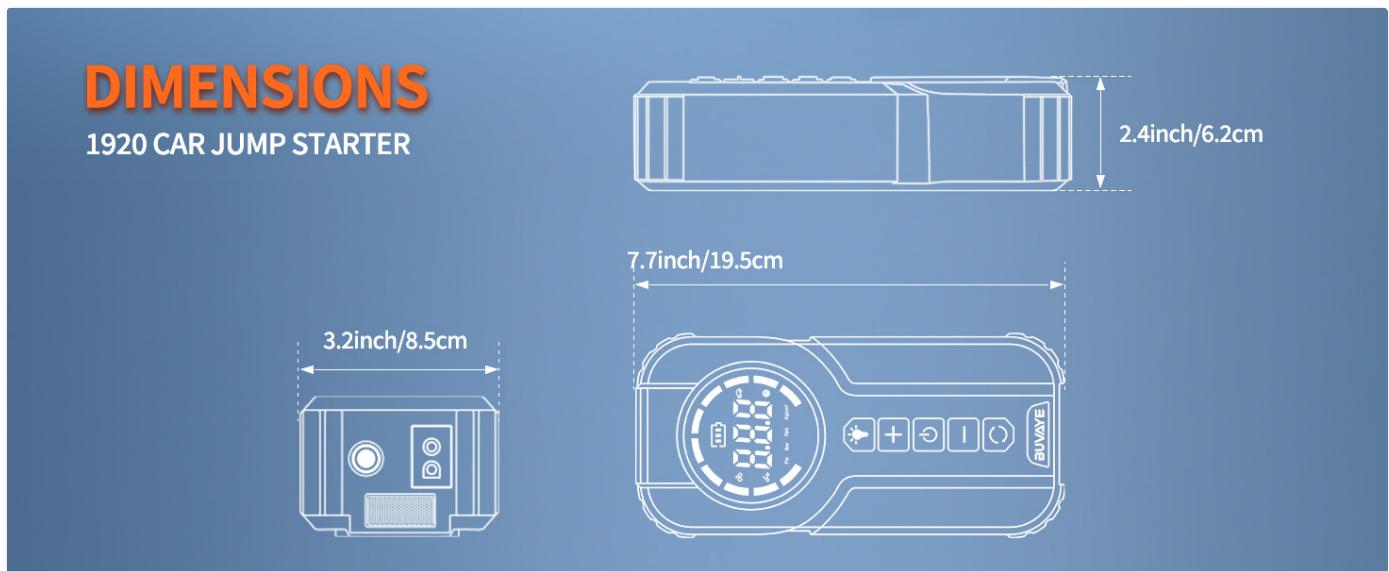


Image: Step-by-step visual instructions for using the air compressor function to inflate tires.

# 2XFASTER INFLATION



Image: The device actively inflating a car tire, demonstrating its air compressor capability.

## OPERATING INSTRUCTIONS: POWER BANK AND FLASHLIGHT

### Power Bank Function

The BUVAYE Jump Starter features dual Type-C ports for charging mobile devices and other electronics.

1. Connect your device's charging cable to one of the Type-C output ports on the jump starter.
2. The jump starter will automatically begin charging your device.

# MORE THAN JUMP STARTERS

Quickly charge your devices with multiple ports



Image: The jump starter acting as a power bank, charging multiple electronic devices.

## LED Flashlight Function

The built-in LED flashlight offers three modes for various emergency situations.

1. Press the flashlight button (炬) once to turn on the constant flashlight mode.
2. Press the flashlight button again to switch to SOS mode (slow flashing).
3. Press the flashlight button a third time to switch to Strobe mode (fast flashing).
4. Press the flashlight button a fourth time to turn off the flashlight.

# 600 LUMENS EMERGENCY LIGHTS



Image: The device's LED flashlight in use, highlighting its three distinct modes for emergency lighting.

A promotional image for the BUVAYE portable air pump. The device is shown in the center, connected to a hose. The digital display on the pump shows '360' and 'PSI'. To the left, an orange box contains the BUVAYE logo and text: 'Inflation Speed' (1 min), 'Inflation Number' (OX4). The background features a bright beam of light from the pump's side, and various items are shown floating in the air: a car, a bicycle, a basketball, a soccer ball, and a football. The pump is set against a backdrop of a clear blue sky and distant mountains.

\*Based on inflating 195/55R15 car tire from 28 to 36 PSI

Image: The backlit display and flashlight provide visibility for night use, making operation easier in low-light conditions.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BUVAYE Jump Starter.

- **Regular Charging:** If the device is not used for a long period, charge it every two months to prevent battery degradation.
- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the jump starter in its EVA carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically inspect the smart jumper cables and air hose for any signs of damage, wear, or corrosion. Replace if necessary.

## TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
<b>Vehicle does not start after jump attempt.</b>	<ul style="list-style-type: none"><li>◦ Incorrect cable connection.</li><li>◦ Jump starter battery is too low.</li><li>◦ Vehicle battery is severely damaged.</li><li>◦ Vehicle has other mechanical issues.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure clamps are connected correctly (red to +, black to -). Check smart cable indicator light.</li><li>◦ Recharge the jump starter to at least 50% capacity.</li><li>◦ Consult a professional mechanic.</li><li>◦ Seek professional vehicle diagnosis.</li></ul>
<b>Smart jumper cable indicator light is red or flashing.</b>	<ul style="list-style-type: none"><li>◦ Reverse polarity connection.</li><li>◦ Short circuit.</li><li>◦ Over-discharge/over-voltage.</li></ul>	<ul style="list-style-type: none"><li>◦ Disconnect immediately and reconnect correctly.</li><li>◦ Check for any metal contact between clamps or exposed wires.</li><li>◦ Ensure vehicle battery voltage is within acceptable range for jump starting.</li></ul>
<b>Air compressor does not inflate or stops prematurely.</b>	<ul style="list-style-type: none"><li>◦ Air hose not securely connected.</li><li>◦ Preset pressure reached.</li><li>◦ Device overheating.</li><li>◦ Jump starter battery is low.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure air hose is tightly screwed onto the valve stem.</li><li>◦ Check the display for current pressure.</li><li>◦ Allow the device to cool down for 10 minutes.</li><li>◦ Recharge the jump starter.</li></ul>

<b>Device does not turn on.</b>	<ul style="list-style-type: none"><li>◦ Battery is completely drained.</li><li>◦ Power button not pressed correctly.</li></ul>	<ul style="list-style-type: none"><li>◦ Charge the device for several hours.</li><li>◦ Press and hold the power button for 2 seconds.</li></ul>
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## WARRANTY AND SUPPORT

BUVAYE offers a **1-year product quality maintenance** period from the date of purchase. Additionally, we provide **lifetime technical support** for your BUVAYE 1920 Jump Starter with Air Compressor.

For any questions, concerns, or technical assistance, please do not hesitate to contact our customer support team. Please have your model number (1920) and purchase details ready when contacting support.

### Contact Information:

Email: [support@buvaye.com](mailto:support@buvaye.com)

Website: [Visit the BUVAYE Store on Amazon](#)

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