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Povasee A50

Povasee A50 Jump Starter with Air Compressor Instruction Manual

1. SAFETY INSTRUCTIONS

Please 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 wear safety glasses when jump starting a battery.
- Do not allow the red and black clamps to touch each other.
- Do not jump start a frozen battery.
- Ensure proper polarity connection (red to positive, black to negative).
- Keep out of reach of children.
- Do not expose the unit to rain or wet conditions.
- Do not operate the air compressor continuously for more than 10 minutes to prevent overheating. Allow it to cool down before resuming use.

2. PRODUCT OVERVIEW

The Povasee A50 is a versatile device combining multiple essential functions for vehicle emergencies and portable power needs.

Key Features:

- **3000A Peak Current Jump Starter:** Capable of jump-starting 12V vehicles with up to ALL GAS or 8.0L Diesel engines.
- **150PSI Air Compressor:** Integrated tire inflator for car tires, bicycles, balls, and inflatable items.
- **23800mAh Power Bank:** Features QC3.0 Quick Charge USB ports and a Type-C input/output for charging mobile devices.
- **400-Lumen Emergency LED Light:** Multiple lighting modes including constant light, SOS, and strobe.
- **12V DC Output:** For powering 12V car accessories like vacuum cleaners or car refrigerators.
- **Intelligent Protection:** Built-in safeguards against over-charge, over-discharge, over-current, short-circuit, over-voltage, over-temperature, reverse-polarity, reverse-connection, and over-load.

Package Contents:

- Povasee A50 Jump Starter with Air Compressor
- Smart Jumper Cables
- USB-A to USB-C Charging Cable
- 12V DC Adapter (Cigarette Lighter Socket)
- Air Nozzle Adapters (for various inflatables)
- User Manual



Figure 1: Povasee A50 Jump Starter unit and all included accessories.

3. SPECIFICATIONS

Feature	Specification
Model Number	A50
Peak Amperage	3000 Amps
Battery Capacity	23800 Milliamp Hours (mAh)
Voltage	12 Volts
Air Compressor Pressure	Up to 150 PSI

Vehicle Service Type	Motorcycle, Passenger Car, Truck (All Gas or 8.0L Diesel)
Battery Cell Composition	Lithium Polymer
Item Weight	4.75 pounds



Figure 2: Key specifications of the Povasee A50 Jump Starter.

4. SETUP

Charging the Jump Starter:

Before first use, fully charge the Povasee A50 unit. It is recommended to recharge the unit every 3 months to maintain battery health.

1. Connect the USB-A to USB-C charging cable to a compatible USB wall adapter (not included).
2. Plug the USB-C end into the Type-C input/output port on the jump starter.
3. The digital display will show the charging progress. The unit is fully charged when it reaches 100%.

EMERGENCY LED LIGHT

3 MODELS LED Light Makes it Easier to Jump Starter



LIGHT



SOS



STROBE



Figure 3: The unit can charge external devices via its USB ports.

5. OPERATING INSTRUCTIONS

5.1. Jump Starting a Vehicle

1. Ensure the jump starter unit is sufficiently charged (above 50% recommended).
2. Insert the smart jumper cable plug into the 'ENGINE START' port on the jump starter.
3. Connect the red (+) clamp to the positive terminal of the vehicle battery.
4. Connect the black (-) clamp to the negative terminal of the vehicle battery.
5. Ensure the smart jumper cable indicator light is solid green. If it shows red or blinks, check connections or battery status.
6. Start the vehicle's engine.
7. Once the engine starts, immediately remove the smart jumper cables from the vehicle battery, then from the jump starter unit.

BATTERY JUMP STARTER

with **AIR COMPRESSOR**

3000A

PEAK CURRENT

23800MAH

BATTERY CAPACITY



A50 can jump-start all kinds of 12V vehicles up to ALL GAS or 8.0L DIESEL.
Up to 30 times jump-starts on a single charge.



1.5L



2.5L



3.5L



5.0L



6.2L



8.5L

Figure 4: Visual guide for jump starting your vehicle.

Your browser does not support the video tag.

Video 1: Demonstration of the Povasee Jump Starter with Air Compressor, including jump-starting a vehicle.

5.2. Using the Air Compressor

1. Short press the power switch on the unit to activate the display.
2. Press the 'R' button to cycle through pressure units (PSI, BAR, KPA) and set the desired pressure using the '+' and '-' buttons.
3. Uncoil the air hose from the bottom of the unit and screw the air hose onto the tire valve stem or attach the appropriate adapter for other inflatables.
4. Turn on the air compressor switch located on the side of the unit. The compressor will start inflating.
5. The compressor will automatically stop once the preset pressure is reached.
6. Turn off the air compressor switch and disconnect the hose.



Figure 5: Visual guide for using the air compressor.



Figure 6: The air compressor comes with various needles for different inflation needs.

5.3. Using the LED Light

The unit features a powerful LED light for illumination during emergencies or low-light conditions.

1. Long press the main power button on the unit to turn on the constant LED light.
2. Short press the main power button again to switch to SOS mode (slow blinking).
3. Short press the main power button a third time to switch to Strobe mode (fast blinking).
4. Long press the main power button to turn off the LED light.

BATTERY JUMP STARTER

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PEAK CURRENT

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1.5L



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5.0L



6.2L



8.5L

Figure 7: The LED light offers multiple modes for different situations.

5.4. Using as a Power Bank

The Povasee A50 can charge various electronic devices via its USB ports.

1. Ensure the jump starter unit is powered on.
2. Connect your device's charging cable to one of the USB-A (including QC3.0) or Type-C output ports on the jump starter.
3. The unit will automatically begin charging your device.
4. For 12V accessories, plug the 12V DC Adapter into the DC output port and then connect your accessory.



Figure 8: The unit provides multiple output options for charging and powering devices.

6. MAINTENANCE

- Store the unit in a cool, dry place away from direct sunlight and moisture.
- Recharge the unit at least once every 3 months to prolong battery life, even if not in use.
- Clean the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasives.
- Inspect jumper cables and air hose for any damage before each use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on/charge	Low battery, faulty charging cable/adapter	Ensure unit is charged using a working cable/adapter. Contact customer support if issue persists.
Smart jumper cable indicator is red/blingking	Incorrect connection, battery too low/damaged	Check positive/negative connections. Ensure vehicle battery is not completely dead or damaged.
Air compressor does not inflate	Hose not properly connected, low unit battery, compressor switch off	Check hose connection to valve stem. Ensure unit is charged and compressor switch is on.
Device not charging via USB	Unit not powered on, faulty USB cable, device incompatible	Ensure unit is powered on. Try a different USB cable or port. Check device compatibility.

8. WARRANTY & SUPPORT

Povasee offers comprehensive customer support and warranty for its products.

- **24 Hours Customer Service:** 7*24 customer service is available for any inquiries.
- **30 Days Worry-Free Return Policy:** Enjoy a 30-day return period for peace of mind.
- **24 Months After-Sales Warranty:** The product is covered by a 24-month warranty for manufacturing defects.

For further assistance, please refer to the contact information provided in your user manual or visit the official Povasee website.



Figure 9: Povasee customer support and warranty details.