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› HPBS H5000 Car Jump Starter User Manual

HPBS H5000

HPBS H5000 Car Jump Starter User Manual

Model: H5000 | Brand: HPBS

1. INTRODUCTION AND PRODUCT OVERVIEW

The HPBS H5000 Car Jump Starter is a powerful and portable device designed to jump-start 12V vehicles with up to all gas or 10.0L diesel engines. Featuring a 5000A peak current, it can provide up to 80 jump starts on a single full charge. This versatile unit also functions as an 88.8 Wh portable power bank for charging various electronic devices and includes a multi-mode LED flashlight for emergencies.



Image 1.1: The HPBS H5000 Car Jump Starter, a compact and powerful device for vehicle emergencies.

2. WHAT'S IN THE BOX

Upon opening the package, please verify that all the following items are included:

- HPBS 5000A Jump Starter (x1)
- Smart Jumper Cables (x1)
- USB Type-C Cable (x1)
- Cigarette Lighter Adapter (x1)
- EVA Storage Case (x1)
- User Manual (x1)

24 MONTHS STAND-BY



Image 2.1: All components included in the HPBS H5000 Jump Starter package.

3. PRODUCT FEATURES

The HPBS H5000 Jump Starter is equipped with several features for optimal performance and user convenience:

- **High Peak Current:** Delivers 5000A peak current, capable of jump-starting all gas engines and diesel engines up to 10.0L.
- **Portable Power Bank:** Integrated 88.8 Wh capacity power bank with USB 5V 2.4A and Quick Charge (5V/9V/12V) outputs for charging mobile devices.
- **Advanced Safety Protections:** Features 10 intelligent safety protections including spark resistance, over-charge, over-current, short-circuit, over-heat, extreme temperature, over-voltage, reverse connection, and reverse polarity protection.
- **3.0" LCD Display:** Provides clear, real-time information on battery status and operational modes.
- **Multi-Mode LED Flashlight:** Built-in flashlight with Normal, SOS, and Strobe modes for illumination and emergency signaling.
- **Long Standby Time:** Can hold its charge for approximately 24 months when not in use.
- **160W Max DC Output:** Capable of powering 12V devices such as vacuum cleaners or air compressors.

10 PROTECTIONS BUILT-IN SMART BMS SYSTEM



Spark
Resistance



Over-Charge
Protection



Over-current
protection



Short-Circuit
Protection



Over-Heat



Extreme
Temperature



Over-Voltage
Protection



Reverse
Connection



Reverse
Polarity



Over-Voltage
Protection

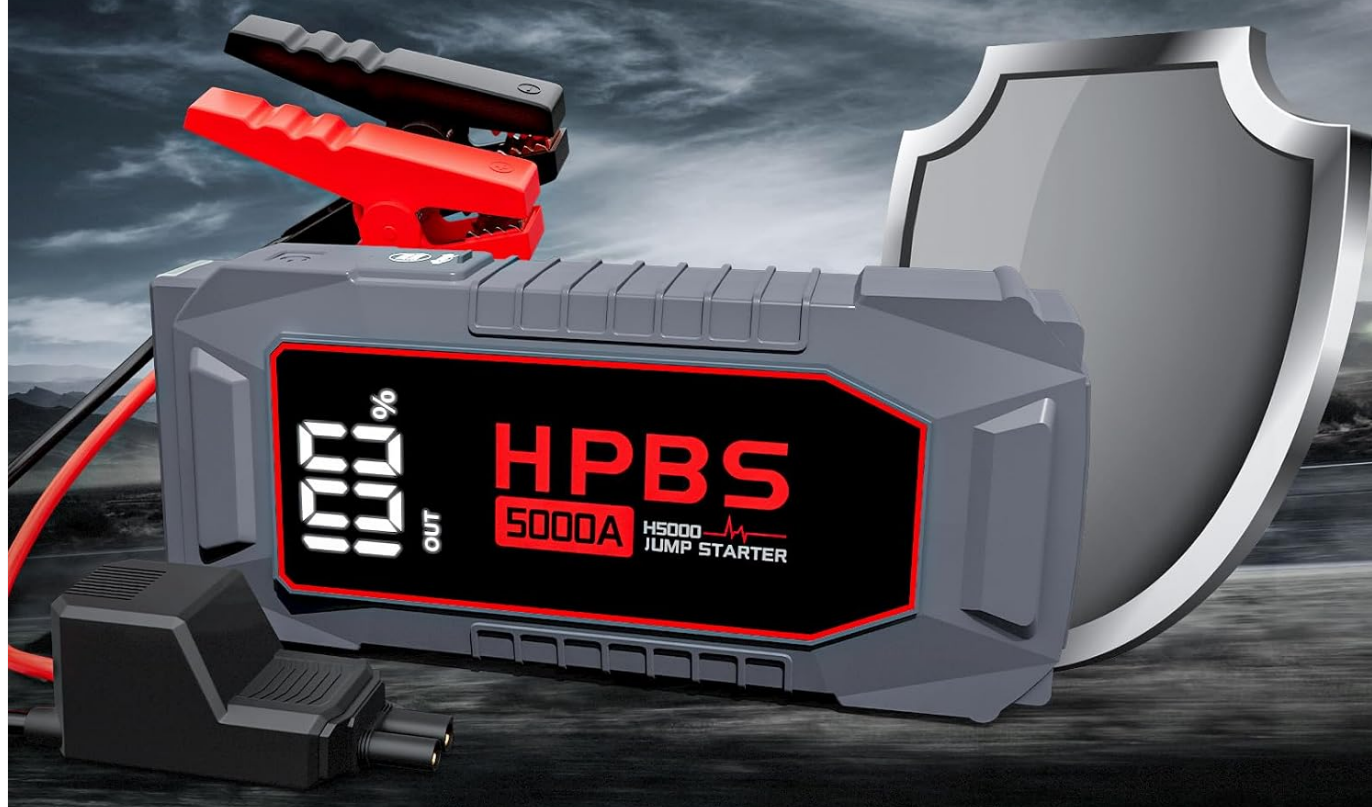


Image 3.1: The HPBS H5000 features a Smart BMS System with 10 built-in protections for safe operation.

WHY WE NEED A JUMP STARTER



4. SAFETY INFORMATION

Please read and understand all safety warnings before using the HPBS H5000 Jump Starter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble the unit.
- Do not expose the unit to rain or extreme moisture.
- Do not immerse the unit in water.
- Do not operate the unit if it has been damaged.
- Keep out of reach of children.
- Ensure proper ventilation during use and charging.
- Connect the jumper cables in the correct polarity (red to positive, black to negative).
- Avoid short-circuiting the jumper clamps.
- Do not jump-start a frozen battery.
- Always remove the jumper cables from the jump starter unit first after a successful jump start, then from the vehicle battery.

5. SETUP AND INITIAL CHARGING

Before first use, it is recommended to fully charge the HPBS H5000 Jump Starter.

5.1 Charging the Jump Starter

1. Locate the USB Type-C input port on the side of the jump starter.
2. Connect the provided USB Type-C cable to the input port.
3. Connect the other end of the USB Type-C cable to a USB wall adapter (not included) or a powered USB port.
4. The LCD display will show the charging progress. Charge until the display indicates 100%.

5.2 Identifying Components

Familiarize yourself with the ports and buttons on the device:

- **EC5 Output Port:** For connecting the smart jumper cables.
- **ON/OFF Button:** Powers the unit on/off and controls flashlight modes.
- **LED Flashlight:** Integrated light source.
- **USB Output 1 (QC 3.0):** For fast charging compatible devices.
- **USB-C Input:** For charging the jump starter.
- **DC Output (12V/10A):** For powering 12V accessories.
- **USB Output 2 (5V/2.4A):** Standard USB output for charging devices.
- **Indicator Lights:** (If applicable, usually part of LCD or separate LEDs)

WHAT'S IN THE BOX

The image displays the contents of the HPBS 5000A H5000 Jump Starter box. The items include:

- The HPBS 5000A H5000 Jump Starter unit, a black and red device with a digital display showing "100%" and "OUT".
- A black power cable with a USB-A connector on one end and a power plug on the other.
- A white USB-A to USB-A cable.
- A small instruction manual titled "HPBS 5000A Jump Starter" with the website "HPBSupport@foxbox.com" listed below.
- A black carrying case with a red border and the "HPBS" logo in white.

Image 5.1: Detailed view of the HPBS H5000's ports and controls.

Ensure the jump starter is sufficiently charged (preferably above 50%) before attempting a jump start.

1. **Connect Jumper Cables:** Insert the blue end of the smart jumper cables into the EC5 output port on the jump starter. Ensure it is fully seated.
2. **Attach to Battery:** Connect the red clamp to the positive (+) terminal of the vehicle's battery and the black clamp to the negative (-) terminal.
3. **Check Indicator:** Observe the indicator on the smart jumper cable. A solid green light indicates a correct connection and readiness to jump start. If a red light or alarm sounds, check connections and polarity.
4. **Start Vehicle:** Return to the vehicle and start the engine.
5. **Remove Cables:** Once the engine starts, immediately remove the smart jumper cables from the jump starter unit first, then disconnect the clamps from the vehicle battery.



Image 6.1: Step-by-step guide for jump starting your vehicle using the HPBS H5000.

6.2 Using as a Power Bank

The HPBS H5000 can charge various USB-powered devices.

- 1. Connect your device's USB charging cable to either USB Output 1 (QC 3.0) or USB Output 2 (5V/2.4A) on the jump starter.
- 2. The jump starter will automatically begin charging your device. The LCD display may show 'OUT' indicating power output.

6.3 Using the LED Flashlight

The built-in LED flashlight has three modes: Normal, SOS, and Strobe.

- 1. **Turn On/Off:** Long press the ON/OFF button to turn the flashlight on or off.
- 2. **Change Modes:** With the flashlight on, short press the ON/OFF button to cycle through Normal, SOS, and Strobe modes.



Image 6.2: The HPBS H5000's bright LED light offers Normal, Strobe, and SOS modes for various situations.

7. TROUBLESHOOTING

If you encounter issues with your HPBS H5000 Jump Starter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely drained.	Charge the jump starter fully.
Vehicle does not start after jump attempt.	Incorrect cable connection; Jump starter battery too low; Vehicle battery severely damaged; Other vehicle issues.	Check cable polarity and connection; Recharge jump starter; Consult a mechanic for vehicle battery health or other issues.
Smart jumper cable indicator shows red or beeps.	Reverse polarity connection; Short circuit; Over-temperature.	Disconnect immediately and re-connect with correct polarity; Check for short circuits; Allow unit to cool down.
Device not charging from power bank ports.	Cable issue; Device not compatible; Jump starter battery low.	Try a different USB cable; Ensure device is compatible with USB charging; Recharge jump starter.

If the problem persists after trying these solutions, please contact HPBS customer service.

8. SPECIFICATIONS

Specification	Value
Brand	HPBS
Model	H5000
Peak Output Current	5000 Amps
Engine Compatibility	Up to All Gas, 10.0L Diesel Engines
Battery Type	Lithium Polymer
Power Bank Capacity	88.8 Wh
USB-C Input	18W
USB Output 1	5V/9V/12V Quick Charge
USB Output 2	5V/2.4A
DC Output	12V/10A
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Product Dimensions	8.07"D x 3.54"W x 1.57"H
Item Weight	1.5 Pounds

9. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your jump starter.

- **Recharge Regularly:** Even when not in use, it is recommended to recharge the jump starter every 3-6 months to maintain battery health and ensure it's ready for emergencies. The device can hold power for about 24 months, but regular top-ups are beneficial.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight, heat sources, and moisture. Use the provided EVA storage case for protection.
- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Cable Care:** Inspect jumper cables and clamps for any damage before each use. Ensure clamps are clean and free of corrosion.



Image 9.1: The HPBS H5000 is designed for long-term standby, retaining charge for up to 24 months.

10. WARRANTY AND CUSTOMER SUPPORT

HPBS is committed to product quality and customer satisfaction.

- **Product Quality Assurance:** HPBS supports 2 years of product quality assurance from the date of purchase.
- **Customer Service:** For any questions, concerns, or assistance with your HPBS jump starter battery pack, please do not

hesitate to contact our customer service team. We offer 7x24h customer support.

Please refer to the contact information provided on the product packaging or the official HPBS website for the most current support channels.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

What is the purpose of the RST button on the HPBS H5000 5000A Car Jump Starter, and when should it be used?

On the HPBS H5000 5000A Car Jump Starter, the "RST" button stands for Reset. While the provided manual text does not explicitly detail a dedicated RST button in the main component list, it is...

[Read full answer](#)