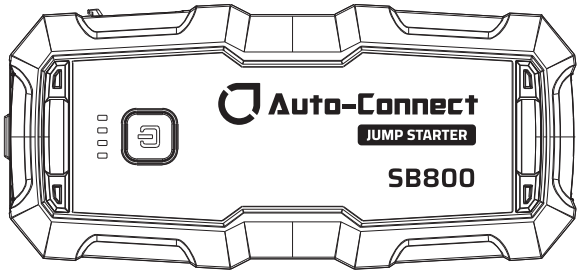
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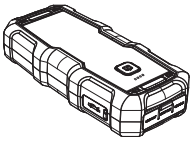
USER MANUAL



SB800

Multi-functional
12V Jump starter

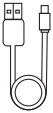
INCLUDED IN THE PACKAGING



Jump Starter



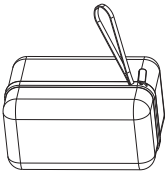
EC5 Jumper Cable



Charging Cable

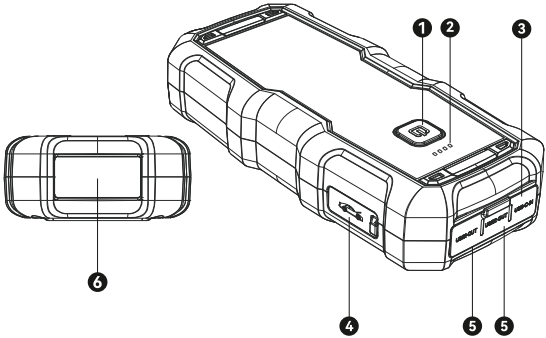


User Manual



Storage Bag

PRODUCT DIAGRAM



1. **Power Button:** Press to turn the unit ON and OFF. Press and hold for 3 seconds to turn on LED lights.
2. **Battery/Charging Indicator:** Displays the battery level or the charging status.
3. **Type-C Input:** Supports a range of voltage/current inputs including 5V/3A and 9V/2A.
4. **EC5 Output:** This port serves as the power interface for the battery clamps.
5. **USB Output1/2 :** QC 18W(5V/3A, 9V/2A, 12V/1.5A)
6. **LED Panel-Light:** This unit features three lighting modes: continuous light, strobe, and SOS. Press and hold on the POWER BUTTON for 3 seconds to toggle the light ON and OFF.

Technical Specifications

Internal Battery Type	Lithium polymer (LiPo)
Peak Current	800A
Starting Current	400A
Battery Capacity	3.7V/8000 mAh (29.6 Wh)
Operating Temperature	-4°F to +140°F (-20°C to +60°C)
Charging Temperature	32°F to +122°F (0°C to +50°C)
USB-C Protocol	QC3.0
USB-C (In)	5V/3A & 9V/2A
USB-A Protocol	QC3.0
USB-A1/A2(Out)	5V/3A & 9V/2A & 12V/1.5A
Recharge Time	2.5 hours (with 18W charger rating)
Weight	1.14 kg (2.51 lbs)
LED Flashlight	100 Lumen
Product Dimensions	L186.9 x W86.6 x H39.1 mm L7.36 x W3.41 x H1.54 inches

Warnings



Please read carefully and understand all safety information before using this product. Failure to follow these safety instructions may result in serious injury, property damage, or death.



Explosive Gas: Lithium battery /Lead–acid batteries can produce explosive gases during use.

Precaution: Check all warning labels on the product and engine, and follow all safety guidelines from the battery manufacturer and related equipment manufacturers. Operate the product in a well-ventilated area, and keep away from open flames, sparks, and smoking materials.



Explosion: Using incompatible, damaged, or unmonitored batteries with this product can lead to explosions.

Precaution: Ensure all connections are secure and correct. Do not leave the product unattended during use. Avoid using the product with damaged or frozen batteries and ensure compatibility with the recommended voltage, and follow the manufacturer's instructions carefully.



Fire: The product can emit heat during use or recharging as an electrical device. It can pose a fire risk and is capable of causing burns when overheated.

Precaution: Monitor the device during charging and keep it away from flammable materials. Keep the product uncovered during use. Avoid smoking or using open flames near the product.



Electrical Shock: This product is an electrical device that can cause severe injury through electrical shock.

Precaution: Handle all cables and connections with care. Do not expose the product to water or moisture.

Important Safety Information

Operating Temperature: Operate the product within ambient temperatures of -20°C to 60°C. Do not operate outside these ranges. Keep it away from humid, hot, or flammable places.

Storage Conditions: Store in a dry location with a temperature range of -20°C to +60°C, with a daily average of 0°C to +25°C. Never exceed 80°C under any condition. Store in a dry place, away from damp conditions or corrosive materials.

Use Precaution: Use the product only as intended. Always wear eye protection and protective clothing when working near a battery. Do not handle or wear metal objects (e.g., tools, watches, jewelry), as they may spark or create a short circuit if accidentally dropped onto the battery. Keep clean water and soap nearby for battery acid contamination. Wash hands after handling batteries and related materials. Stop using immediately if you notice swelling, leakage, or an odor.

Starting Compatibility: This product is compatible only with 12-volt lead-acid batteries. Consult the battery manufacturer if unsure about the battery's specific chemistry or voltage before use.

Product Modifications: Do not alter, modify, or repair any part of the product. Disassembling the product may cause injury, death, or damage to property. Any modifications void the warranty.

Choking Hazard: This product should not be used by children. Accessories may present a choking hazard to children. Do not leave children unattended with the product or any accessory.
The product is not a toy.

Minor Safety: The purchasing adult must provide detailed instructions and warnings if used by a minor. Failure to do so is the sole responsibility of the purchaser.

Force Start Function: Activating the force start function disables all safety features including spark-proof and reverse polarity protection. Do not reverse connect the clamps. Do not short-circuit the jump starter by connecting the red and black clamps directly. Handle with extreme caution, as it may cause sparks or damage if misoperated, which may result in serious injury, property damage, or death.

Battery Disposal: The built-in lithium-ion battery should only be replaced by the manufacturer and must be recycled or disposed of separately from household waste. Do not attempt to replace the battery yourself. Always take used batteries to a local battery recycling center.

HOW TO RECHARGE THE JUMP STARTER

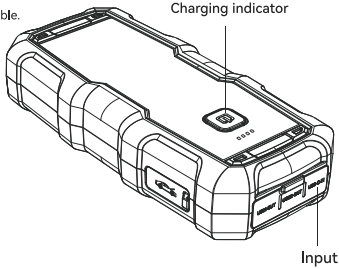
The battery level is indicated by the Charge LEDs, with each LED representing 25% of the battery's level. When fully charged, all four blue LEDs will be solid.



Recharge With The Provided Charging Cable

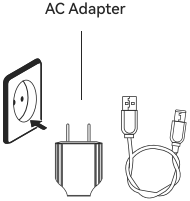
1. Connect the jump starter to the provided Type-C cable.
2. Connect to a USB port to start recharging.

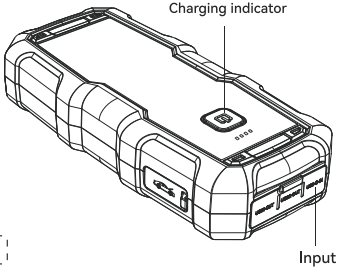




Recharge With An USB AC Adapter

1. Connect the jump starter to the provided Type-C cable.
2. Connect the Type-C cable to an USB AC adapter.
3. Plug the AC adapter into a power source to start recharging.

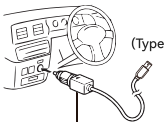


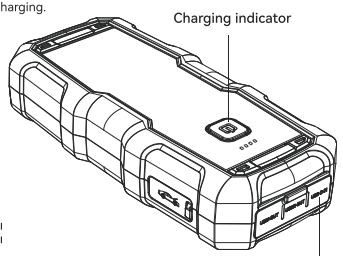


Note: USB AC adapter is not included in the package.

Recharge With A Car Charger

1. Connect the jump starter to a Type-C car charger.
2. Plug the car charger into a power source to start recharging.



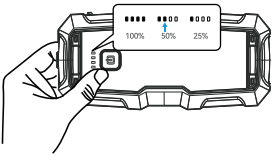


Note: Car charger is not included in the package.

HOW TO JUMPSTART YOUR VEHICLE

The SB800 jump starter is specifically designed for jump starting 12V lead-acid batteries in gasoline engines less than 4.0L and diesel engines less than 2.5L. Do not attempt to jump start vehicles with a higher battery voltage, different voltage, or higher displacement. Suitable for vehicles, including cars, trucks, boats, buses, SUV, RV, lawn mowers, motorcycles, and more.

Before operating, ensure that your jump starter has battery level above 30%.
Recharge the unit if battery level is below 30%.



Important Notes

This jump starter is designed to jump start 12V lead-acid battery ONLY, and is not suitable for other types of battery.
It is recommended to allow the jump starter to cooldown before the next attemp after 3 failures in a row
After jump-starting your vehicle, promptly disconnect the jump starter from the engine to prevent any issues. Be cautious to avoid reverse charging in case of accidental misuse.
The jump starter will automatically enter sleep mode after 30 seconds of inactivity. Reactivate it by pressing the power button.
Recharge the jump starter at least once every 3 months to maintain battery health.

Smart Battery Clamps Instructions

The smart battery clamps are equipped with 10 safety features to safeguard against damage caused by misoperation or incorrect connections.


Over Charge Protection



Over Current Protection


Short Circuit Protection



Reverse Polarity Protection


Low Temp Protection


High Temp Protection



Over Voltage Protection


Over Load Protection


Reverse Charge Protection

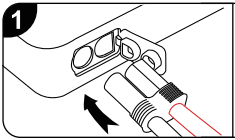

Spark Proof Protection

Indication	Status / Instruction
Blue Light	Stand by mode. / When plug the jumper cable into the EC5 port, the BLUE light will illuminate.
Green Light	Ready to jump start mode. / When the battery clamps are correctly connected to the vehicle battery terminals (normal start mode), or when the force start function is activated （normal start mode), the GREEN light will illuminate.
Force Start Button	Force jump starting mode. / When press and hold for 3 seconds on the force start button (the red button on the side of the battery clamps), safety features will be disabled when using the force start mode.

Normal Start Mode

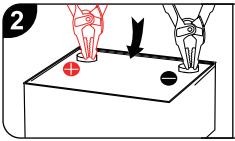
Follow these step-by-step instructions. Ensure to follow these steps precisely to safely and effectively jump start your vehicle.

1



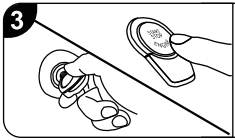
Plug the battery clamps into the EC5 port on the jump starter.

2



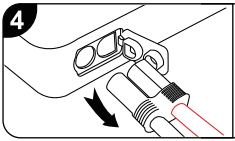
Connect the battery clamps securely and correctly to the vehicle battery terminals.

3



Start the engine within 30 seconds after the indicator light turns green.

4



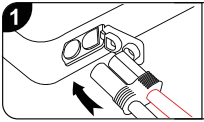
Unplug the battery clamps from the EC5 port soon after engine starts, and remove the clamps from battery terminals.

Notes: If in step 2 the green light does not activate, your vehicle battery is likely to have low voltage (<2V), consider using the force start mode. Inspect your vehicle for other potential reasons for failure to start.

Force Start Mode

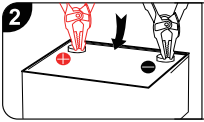
Use the force start function to jump start low voltage vehicle batteries (<2 volts). Activate this mode by pressing the red button located on the side of the battery clamps.

1



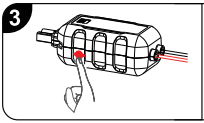
Plug the battery clamps into the EC5 port on the jump starter.

2



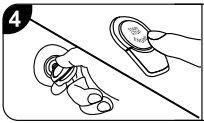
Connect the battery clamps securely and correctly to the vehicle battery terminals.

3



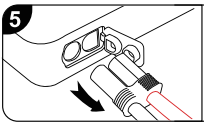
Press and hold the red button for 3 seconds until the indicator light turns green.

4



Start the engine within 30 seconds after the indicator light turns green.

5

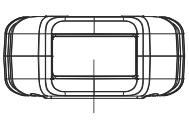


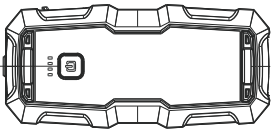
Unplug the battery clamps from the EC5 port soon after engine starts, and remove the clamps from battery terminals.

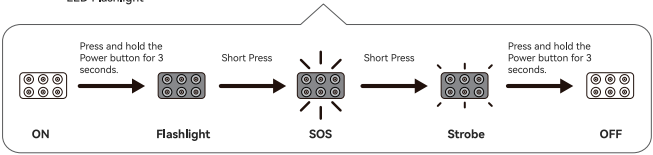
Caution: Use this mode with extreme caution. Activating it disables all safety features, including spark-proof and reverse polarity protection. Avoid allowing positive and negative battery clamps to touch or connect, as this may generate sparks. Ensure that the battery clamps are securely and correctly connected to the corresponding poles to prevent damage.This mode uses high peak current (up to 800A) If you are unsure about using this mode, do not attempt and seek professional help.

HOW TO USE LED LIGHTS

The SB800 jump starter features 3 modes of emergency LED lights: flashlight, SOS, and strobe. Press and hold the Power button for 3 seconds to activate the lights. Short press the ON/OFF button to cycle through the different lighting modes.

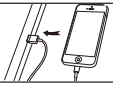






HOW TO CHARGE OTHER DEVICES

Use it as a power bank for your devices. The SB800 jump starter offers two USB output outputting no more than 18W power for charging devices.

 Output 1(2)	Plug the charging cable to either of the USB output port.
	Connect the product to your device.
	Press the power button to start charging your phone, tablet, and more.

TROUBLESHOOTING

Smart Battery Clamps Abnormal Error Troubleshooting

Error	Indication	Reason / Solution
⚠ Low Battery	LB Red Light is On.	Battery level is low. / Recharge the product.
⚠ Reverse Connection	RC Red Light is On.	Battery clamps are connected in reverse. / Reverse the battery clamps connections.
⚠ High Temperature	HT Red Light is On.	Product is overheated. / Wait for the product to cool down before recharging or discharging.

Other Error Troubleshooting

Error	Indication	Reason / Solution
Short Circuit	Blue Light Does Not Turn Green.	If the green light does not activate and you cannot jump start at all, a short circuit may have occurred due to misoperation. To identify a short circuit, try activating the force start mode. If the force start mode cannot be activated, it confirms a short circuit. Remove all loads and try again, ensuring the clamps are connected to the correct battery terminals: red to positive (POS, P, +) and black to negative (NEG, N, -).
Cable Defect	Light Does Not Come On.	Cables may be loose, parts damaged during use, or affected by other factors. / Check the battery level and recharge if needed, or contact customer support for further assistance.
Product Defect	Light Does Not Come On.	Product parts may be loose, damaged during use, or affected by other factors. / Check the battery level and recharge if needed, or contact customer support for further assistance.
Battery Defect	Charge LEDs Do Not Come On or Blink Abnormally.	There may be issues with the charger, charging cable, battery cells, or other factors. / Inspect cable health and connections, or contact customer support for further assistance.







The crossed-out wheelie bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: dispose of them at a recycling point. For info on your nearest recycling point, check with your local waste authority.

Products marked with the RoHS symbol complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product should not be disposed of as household waste. Alsternative arrangements may apply in other jurisdictions.

The product with the CE mark indicates that it has passed the correspondning conformity assessment procedure and the manufacturer's declaration of conformity, and it complies with the relevant EU directives, and is used as a pass for the product to be allowed to enter the European Community market. Relevant directives require industrial products to be affixed with the CE mark. Those that do not have the CE mark shall not be marketed.

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Auto-Connect