

SUNPOW SP-JS02

SUNPOW Lithium Jump Starter User Manual

Model: SP-JS02

1. INTRODUCTION

The SUNPOW Lithium Jump Starter is a powerful and portable device designed to jump-start 12V vehicles with dead batteries, including gas engines of any size and diesel engines up to 8.5L. It also functions as a portable power bank for electronic devices and features a multi-mode LED flashlight. This manual provides essential information for safe and effective use, maintenance, and troubleshooting.

2. PACKAGE CONTENTS

Upon opening your SUNPOW Lithium Jump Starter package, please verify that all the following items are included:

- 1 x SUNPOW Lithium Jump Starter
- 1 x Smart Jumper Cables
- 1 x Type-C Cable
- 1 x 12V DC Cable
- 1 x User Guide (this manual)

PRODUCT ACCESSORIES



Image: All components included in the SUNPOW Lithium Jump Starter package, neatly arranged.

3. PRODUCT FEATURES

- **Super Capacity & Peak Performance:** Equipped with a high-speed polymer battery, providing a super 2000A peak current and 20000mAh capacity. Capable of jump-starting 12V vehicles (all gas engines or up to 8.5L diesel engines) up to 35 times on a single charge.

START BATTERIES QUICKLY

Safely start a dead battery in seconds.



2000A
PEAK CURRENT

12
VOLT

35+
STARTS

All
GAS

8.5L
DIESEL

Image: The SUNPOW Jump Starter highlighting its ability to quickly start batteries with 2000A peak current, 12V, 35+ starts, for all gas and 8.5L diesel engines.

- **Portable & Quick Charging:** Features a Type-C input/output 15W port and dual USB ports (one Quick Charge 3.0) for fast and efficient charging of smartphones, cameras, tablets, and other electronic devices.

MULTI INPUT OUTPUT PORT

It can charge a variety of electronic products.



Image: The jump starter showcasing its multi-input/output ports, including Type-C, USB, USB 3.0, and a DC 15V=10A port, capable of charging various electronic products.

- **Multi-Functionality:** Includes a digital LCD screen displaying remaining power, a built-in LED flashlight with Flashlight, Strobe, and SOS modes, and a 12V/10A DC port for powering other car products (cigarette lighter adapter included).

MULTI-FUNCTION FLASHLIGHT



Flashlight



SOS Mode



Emergency Strobe



Image: The jump starter demonstrating its multi-function flashlight with modes for standard illumination, SOS, and emergency strobe.

- **Strong Protection:** Incorporates advanced intelligent technology for comprehensive safety, including spark-proof protection, over-charge protection, short-circuit protection, over-current protection, overload protection, over-voltage protection, reverse polarity protection, high-temperature protection, and low-temperature protection. Operates effectively in extreme weather from -4°F to 140°F.

MULTI SAFETY PROTECTION



Spark-Proof
Protection



Reverse Polarity
Protection



Overcurrent
Protection



High-Temperature
Protection



Over-Load
Protection



Over-Charge
Protection



Short-Circuit
Protection



Over-Voltage
Protection



Low-Temp
Protection



AI-Software
Protection

Image: An illustration highlighting the various safety protections of the SUNPOW Jump Starter, including spark-proof, reverse polarity, overcurrent, high-temperature, overload, over-charge, short-circuit, over-voltage, low-temperature, and AI-software protection.

LOW & HIGH TEMP RESISTANCE



Image: The jump starter depicted in environments representing low (-4°F) and high (140°F) temperatures, illustrating its robust temperature resistance.

4. SAFETY INFORMATION

Please read and understand all safety information before using this product. Failure to follow these instructions may result in electric shock, explosion, fire, or serious injury.

- Do not expose the product to rain or wet conditions.
- Do not disassemble the product. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure proper polarity connection to the vehicle battery. Incorrect connection can cause damage.
- Do not jump-start a frozen battery.

- Do not use the product if the cables or clamps are damaged.
- Always wear eye protection when working with batteries.
- Ensure the jump starter is adequately charged before use (at least 60% recommended).

5. SETUP

Before first use, fully charge the SUNPOW Lithium Jump Starter. Charging typically takes 4 to 5 hours. Once charged, the device is ready for use.

Initial Charging:

1. Connect the Type-C cable to the jump starter's Type-C port.
2. Connect the other end of the Type-C cable to a suitable USB wall adapter (not included) or a powered USB port.
3. The LCD screen will display the charging progress. Disconnect once 100% charged.

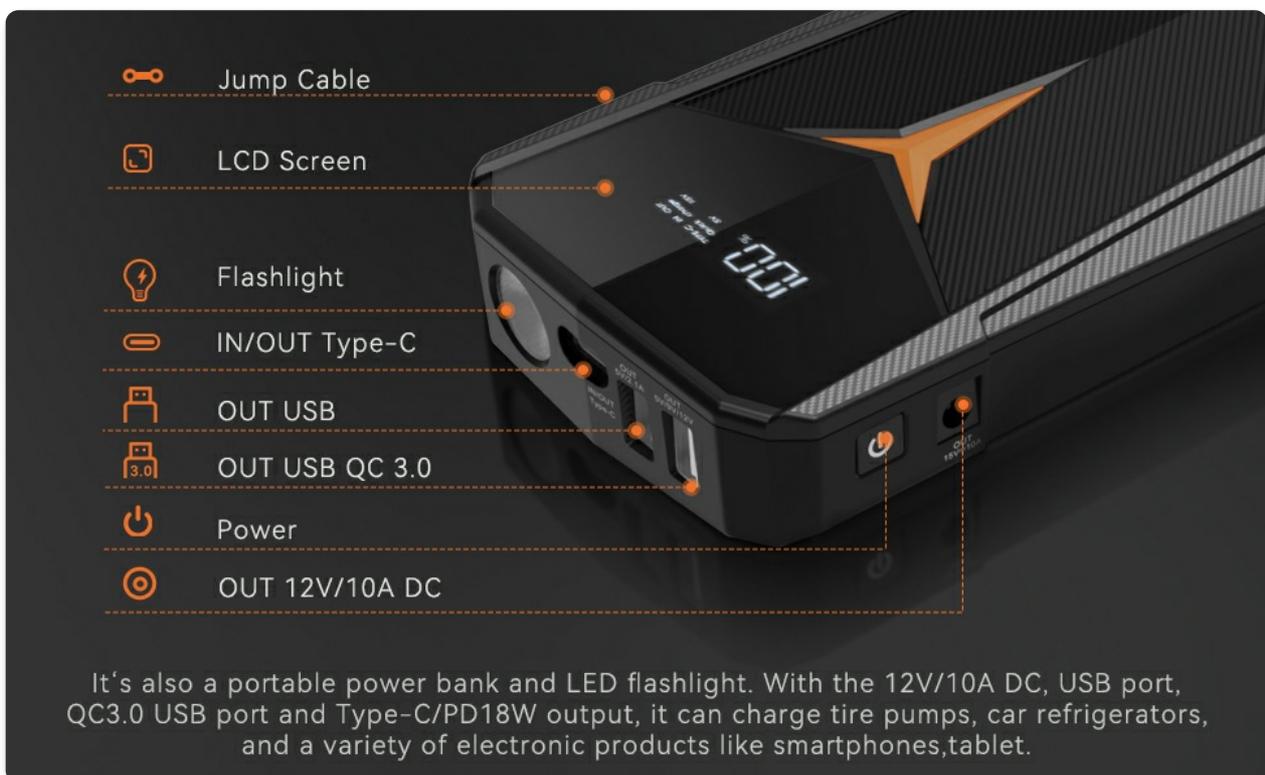


Image: Visual guide for easy setup: Connect clamps to battery, wait for green indicator, then start the vehicle.

6. OPERATING INSTRUCTIONS

6.1. Jump Starting a Vehicle

Follow these steps carefully to jump-start your vehicle:

1. Ensure the jump starter is sufficiently charged.
2. Connect the smart jumper cables to the jump starter's port.
3. Connect the **red (+) clamp** to the positive (+) terminal of the vehicle's battery.
4. Connect the **black (-) clamp** to the negative (-) terminal of the vehicle's battery or a solid metal part of the engine block (away from moving parts).
5. Observe the indicator light on the smart jumper cables. A solid green light indicates a correct and ready connection. If a red light or audible buzz occurs, check connections for reverse polarity or other issues.

6. Once the green light is solid, start your vehicle.
7. After the vehicle starts, immediately disconnect the black (-) clamp first, then the red (+) clamp, and finally disconnect the smart jumper cables from the jump starter.



Image: The SUNPOW Jump Starter connected to a car battery, showing the smart cable indicator light.

Video: Official demonstration of the SUNPOW 2000A Peak 20000mAh Lithium Car Jump Starter Pack in action, showing its ease of use and effectiveness.

6.2. Charging Electronic Devices

The jump starter can charge various electronic devices via its USB and Type-C ports:

- Connect your device's charging cable to one of the jump starter's USB (5V/2.1A or QC 3.0) or Type-C (5V/3A) output ports.
- The jump starter will automatically begin charging your device.

6.3. Using the LED Flashlight

The built-in LED flashlight offers three modes:

- Press and hold the flashlight button to turn on the steady flashlight mode.
- Press the button again to switch to Strobe mode.
- Press the button a third time to activate SOS mode.
- Press and hold the button again to turn off the flashlight.

7. MAINTENANCE

To ensure the longevity and optimal performance of your SUNPOW Lithium Jump Starter, follow these maintenance guidelines:

- **Recharging:** Recharge the jump starter every 3-6 months, even if not used, to maintain battery health.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Cable Care:** Inspect jumper cables and clamps for any damage before each use. Replace if necessary.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Vehicle does not start	Jump starter battery is low.	Recharge the jump starter to at least 60%.
Vehicle does not start	Poor connection of clamps.	Ensure clamps are securely attached to battery terminals. Clean terminals if corroded.
Vehicle does not start	Reverse polarity connection.	Check clamp connections. Red to positive (+), Black to negative (-). The smart cable will indicate incorrect connection.
Vehicle does not start	Vehicle battery is severely damaged or frozen.	Consult a professional mechanic. Do not attempt to jump-start a frozen battery.
Electronic device not charging	Jump starter battery is low.	Recharge the jump starter.
Electronic device not charging	Incorrect cable or port used.	Ensure the correct charging cable is used and connected to an output port.

9. SPECIFICATIONS

Feature	Specification
Model Number	SP-JS02
Peak Current	2000 Amps
Capacity	20000mAh
Voltage	12 Volts
Engine Compatibility	All Gas Engines, up to 8.5L Diesel Engines
Input/Output (Type-C)	15W (5V/3A)
Output (USB)	5V/2.1A
Output (USB QC 3.0)	9V/2A
Output (DC)	12V/10A
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Item Weight	2 pounds
Product Dimensions	4 x 2 x 9 inches

10. WARRANTY AND SUPPORT

SUNPOW offers a Lifetime Warranty System for this product, ensuring superior customer service and quality.

Each product undergoes strict quality inspection.

For any problems or questions regarding your SUNPOW Lithium Jump Starter, please contact our professional after-sales service team at any time. We are committed to helping you solve issues as soon as possible.

For more information or to contact support, please visit the official SUNPOW store or refer to the contact details provided in your product packaging.