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› KeenPower 6000A Super Capacitor Jump Starter User Manual

## KeenPower SC6000

# KeenPower 6000A Super Capacitor Jump Starter User Manual

Model: SC6000

## INTRODUCTION

Thank you for choosing the KeenPower 6000A Super Capacitor Jump Starter. This innovative device utilizes advanced supercapacitor technology to provide a safe, reliable, and instant jump-starting solution for a wide range of 12V vehicles. Unlike traditional battery-based jump starters, this unit does not require pre-charging and is always ready for use, even in extreme temperatures.

## SAFETY INFORMATION

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

- Always wear eye protection and protective clothing when working with batteries.
- Do not expose the jump starter to rain or wet conditions.
- Do not operate the jump starter if it has been damaged or modified.
- Ensure proper polarity when connecting to a vehicle battery (red clamp to positive, black clamp to negative). Reverse polarity can cause damage to the device and vehicle.
- Keep out of reach of children.
- Do not disassemble the unit. Refer all servicing to qualified personnel.

## WHAT'S IN THE BOX

- 1 x 6000A SUPER CAPACITOR JUMP STARTER

## PRODUCT OVERVIEW

The KeenPower 6000A Super Capacitor Jump Starter is a robust and portable device designed for emergency vehicle starting. It features a durable casing with an integrated handle for easy transport, and heavy-duty clamps for secure connection to battery terminals. The front panel includes a display screen, USB and Type-C ports, and power buttons.



Figure 1: Front view of the KeenPower 6000A Super Capacitor Jump Starter, showing the display, USB and Type-C ports, and power buttons.

MADE OF 6\*3000F SUPER CAPACITOR

**EXTREMELY SAFE & SUPER POWERFUL**  
NO BATTERY, NO SPARK & EXPLODE



Figure 2: An internal diagram illustrating the six 3000F supercapacitors that power the jump starter, highlighting its battery-less design.

## SETUP

The KeenPower Super Capacitor Jump Starter does not require pre-charging. It charges itself from the vehicle's weak battery or another 12V power source. Ensure the clamps are clean and free of debris before connection.

## OPERATING INSTRUCTIONS

Follow these steps to jump start your vehicle:

1. **Attach Clamps:** Connect the red positive (+) clamp to the positive terminal of the vehicle's battery. Connect the black negative (-) clamp to the negative terminal of the vehicle's battery. The device will automatically detect the battery voltage.
2. **Auto Boost Charge:** The jump starter will begin to draw a small amount of power from the weak battery to charge its internal supercapacitors. The display will show the charging progress. This process typically takes only a few minutes.

3. **Press Power Start Button:** Once the supercapacitors are fully charged (indicated on the display), press the 'Power Start' button on the jump starter.
4. **Jump Start:** Start your vehicle's engine. If the vehicle does not start on the first attempt, wait a few minutes and repeat the process.
5. **Disconnect:** Once the vehicle has started, disconnect the black negative (-) clamp first, followed by the red positive (+) clamp.



Figure 3: Visual guide for the jump-starting process, from connecting clamps to starting the vehicle.

# NO PRE-CHARGE NEED ALWAYS READY

3 Mins Fully Charge, Fast Boost Charging Via a Weak Battery



Figure 4: The jump starter's display showing charging status, emphasizing that no pre-charging is required.



Figure 5: The jump starter is designed to operate effectively in extreme temperatures, from 158°F down to -45°F.

## MAINTENANCE

Proper maintenance ensures the longevity and performance of your KeenPower Jump Starter:

- **Cleaning:** Wipe the unit with a dry, soft cloth after each use. Do not use abrasive cleaners or solvents.
- **Storage:** Store the jump starter in a cool, dry place away from direct sunlight and moisture. Ensure the clamps are clean and properly stored to prevent accidental contact.
- **Cable Inspection:** Periodically inspect the cables and clamps for any signs of damage, fraying, or corrosion. Replace if necessary.

## TROUBLESHOOTING

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

| Problem                                     | Possible Cause                                                                          | Solution                                                                                                                                                                                                                                                                                           |
|---------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit does not power on or display is blank. | Completely dead vehicle battery; internal fault.                                        | Ensure clamps are securely connected. If vehicle battery is completely dead (0V), the unit may not be able to draw enough power to self-charge. Try charging the unit via its Type-C or USB-IN port from another 12V source or a power adapter if available. If problem persists, contact support. |
| Vehicle does not start after boost.         | Insufficient charge; vehicle issue (e.g., faulty starter, alternator); poor connection. | Ensure the jump starter display indicates 100% charge before attempting to start. Check that clamps are firmly attached to clean battery terminals. If the vehicle has mechanical issues beyond a low battery, the jump starter cannot resolve them. Consult a mechanic.                           |
| Clamps or cables feel hot during use.       | Excessive current draw; prolonged cranking; damaged cables.                             | Avoid prolonged cranking. If cables or clamps show signs of melting or damage, discontinue use immediately and contact support.                                                                                                                                                                    |

## SPECIFICATIONS

| Feature               | Detail                                              |
|-----------------------|-----------------------------------------------------|
| Brand                 | KeenPower                                           |
| Model                 | SC6000-R (Item model number: SC6000)                |
| Peak Output Current   | 6000 Amps (6286 Amps measured)                      |
| Supercapacitors       | 6 x 3000F                                           |
| Operating Temperature | Up to 158°F (70°C) and down to -45°F (-43°C)        |
| Life Span             | Over 1,000,000 cycles                               |
| Item Weight           | 10.65 pounds (4.83 kg)                              |
| Package Dimensions    | 13.43 x 10.87 x 7.95 inches (34.1 x 27.6 x 20.2 cm) |
| UPC                   | 741421942868, 074142194286                          |

## WARRANTY AND SUPPORT

KeenPower provides a warranty for this product. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, troubleshooting assistance, or to inquire about replacement parts, please visit the official KeenPower website or contact their customer service directly. Contact information can typically be found on the product packaging or the manufacturer's website.

## 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

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### 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**