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> Soulor CY20 5000A Portable Car Jump Starter User Manual

Soulor CY20

Soulor CY20 5000A Portable Car Jump Starter User Manual

Model: CY20 | Brand: Soulor

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Soulor CY20 5000A Portable Car Jump Starter. Please read this manual thoroughly before operation and retain it for future reference. This device is designed to jump-start 12V vehicles, serve as a portable power bank, and provide emergency lighting.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Soulor CY20 Jump Starter
- 1x Smart Jumper Cables
- 1x USB-A to USB-C Cable
- 1x User Manual (this document)
- 1x Storage Bag



Image: The Soulor CY20 Jump Starter package contents, including the main unit, smart jumper cables, USB-C cable, user manual, and storage bag.

SPECIFICATION

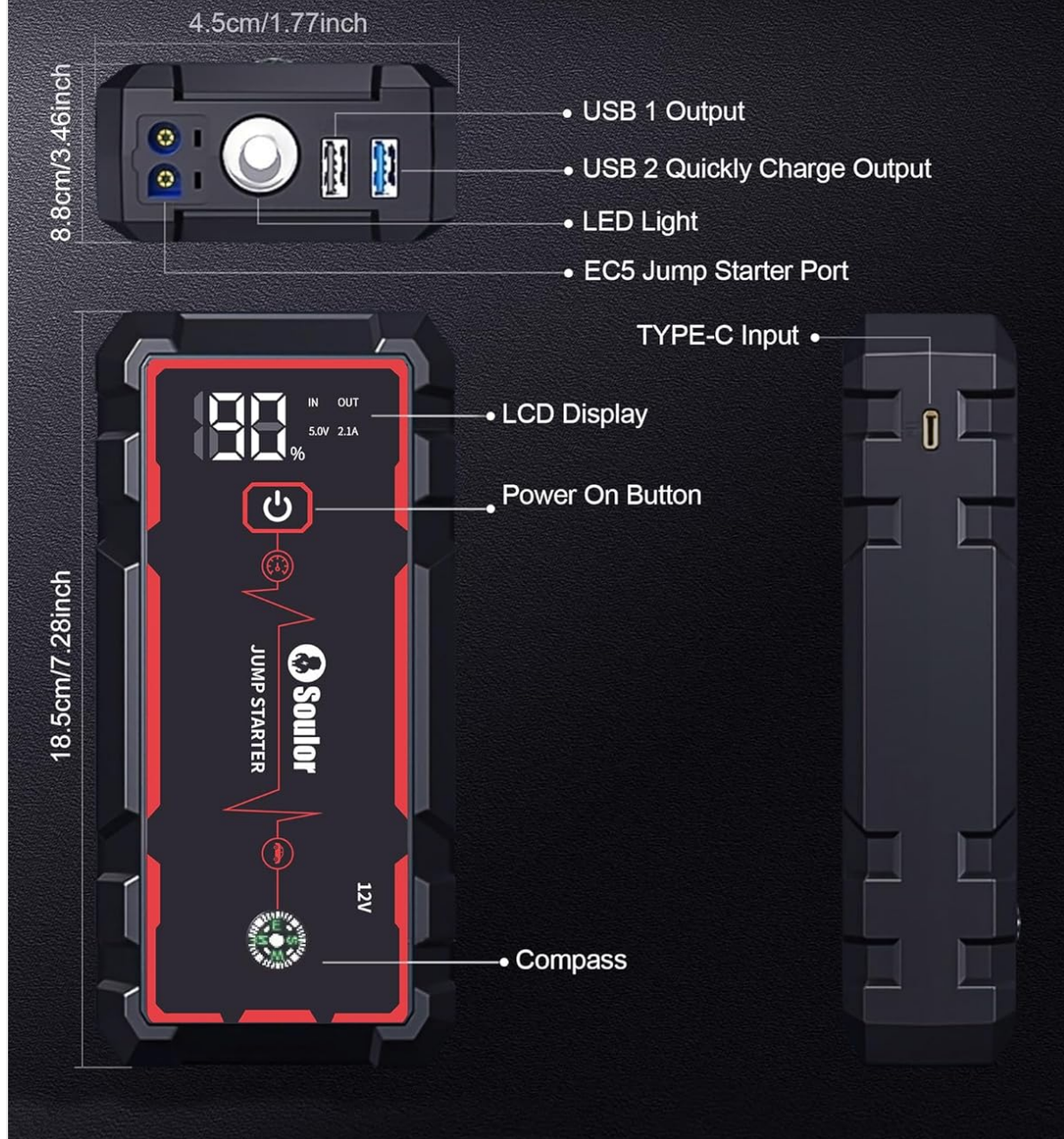


Image: A closer look at the Soulor CY20 Jump Starter and its accessories, highlighting the compact design and essential components.

3. PRODUCT FEATURES

- **Powerful Jump Starting:** Capable of jump-starting 12V vehicles up to 40 times on a single charge. Supports up to 8.0L gas and 6.0L diesel engines. Operates reliably in temperatures from -4°F to 140°F. Features a built-in Forced Start function for severely depleted car batteries.
- **7-in-1 Multi-Functional Device:** Functions as a jump starter, 3-mode LED torch (flashlight, strobe, SOS), compass, and portable power bank.
- **Quick Charge Power Bank:** Equipped with dual USB-A ports (one fast-charge) and a USB-C port

for rapid charging of phones, tablets, and other devices.

- **LCD Smart Display Screen:** A 2.0-inch screen displays real-time remaining power and output status.
- **3-Mode LED Flashlight:** Includes Flashlight, Strobe Light, and SOS Light modes for emergency situations.
- **14-in-1 Intelligent Safety Protections:** Integrated protections against incorrect connections, sparks, reverse polarity, over-discharge, over-current, short circuit, over-charge, over-temperature, low voltage, reverse charge, low temperature, over-power, and impedance mismatch.

5000A POWERFUL

JUMP STARTER TO RESUCE YOU ON ROAD



12V
Volts

40
Start times

Up to 6L
Gas

Up to 8L
Diesel

Image: The Soulor CY20 Jump Starter connected to a car battery, demonstrating its powerful jump-starting capability for various vehicle types.

14 In 1 SAFTY PROTECTIONS



Image: A visual representation of the 14 intelligent safety protections integrated into the Soulor CY20 Jump Starter, ensuring safe operation.

HIGH SPEED CHARGING FOR MULTI-DEVICES



Image: The Soulor CY20 Jump Starter acting as a portable power bank, charging a smartphone and a laptop simultaneously via its USB ports.

600-LUMEN

LED FLASHLIGHT FOR EMERGENCIES



FLASHLIGHT



Storbe



SOS



Image: The Soulor CY20 Jump Starter's 600-lumen LED flashlight illuminating a campsite at night, showcasing its emergency lighting capability.

WHAT'S IN THE BOX ?



Image: A close-up view of the Soulor CY20 Jump Starter's 2.0-inch LCD smart display, showing battery percentage and output information.

4. SPECIFICATIONS

Brand	Soulor
Model	CY20
Peak Output Current	5000 Amps

Product Dimensions	8.9"D x 5.03"W x 3.86"H
Item Weight	1.61 pounds (0.73 Kilograms)
Battery Type	Lithium Polymer (1 required, included)
Engine Compatibility	Up to 8.0L Gas, 6.0L Diesel
Operating Temperature	-4°F to 140°F



Image: A detailed diagram of the Soulor CY20 Jump Starter, indicating USB output ports, LED light, EC5 jump starter port, Type-C input, LCD display, power button, and integrated compass, along with product dimensions.

5. SAFETY INFORMATION

Your Soulor CY20 Jump Starter is equipped with 14 intelligent safety protections to ensure safe operation. Always follow these guidelines:

- Do not short-circuit the jumper clamps.
- Do not expose the device to extreme temperatures outside the specified operating range.
- Keep out of reach of children.
- Ensure proper connection of positive (+) and negative (-) terminals.

Important Notes:

- Before the first charge, fully discharge the device.
- It is recommended to jump-start only when the battery charge is above 75% to ensure reliable and successful ignition.
- Charge the device every 3 months to maintain battery health.

6. SETUP AND CHARGING

6.1 Initial Charging

Upon receiving your Soulor CY20, fully discharge it before its first charge. Use the provided USB-A to USB-C cable to charge the unit. The LCD screen will indicate the charging progress.

6.2 Connecting Jumper Cables

The smart jumper cables connect to the EC5 jump starter port on the unit. Ensure the connection is firm before attaching to a vehicle battery.

24-MONTHS STANDBY

A full charge delivers 24 hours of standby power



Tips: advice to charge the battery per 3 months to keep it in good condition

Image: The Soulor CY20 Jump Starter highlighting its 24-month standby capability, indicating low power consumption and internal resistance for long-term readiness.

7. OPERATING INSTRUCTIONS

7.1 Jump Starting a Vehicle

1. Ensure the jump starter is adequately charged (above 75% recommended).
2. Connect the smart jumper cables to the EC5 port on the jump starter.
3. Connect the **RED** clamp to the vehicle's positive (+) battery terminal.
4. Connect the **BLACK** clamp to the vehicle's negative (-) battery terminal.

5. If the vehicle battery is severely depleted, press the 'Forced Start' button on the smart cable for 3 seconds until the indicator light turns green.
6. Start the vehicle within 30 seconds after the indicator light changes to a constant green.
7. Once the vehicle starts, immediately remove the jumper cables from the car battery, then disconnect from the jump starter.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing and practical application of the Soulor CY20 Jump Starter, including connecting it to a car battery for jump-starting.

7.2 Using as a Portable Power Bank

Connect your electronic devices (phone, tablet, etc.) to the USB-A or USB-C output ports on the jump starter using their respective charging cables. The device will automatically begin charging.

7.3 Using the LED Flashlight

Press and hold the power button on the jump starter to turn on the flashlight. Short press the power button to cycle through the modes: Flashlight (steady light), Strobe Light, and SOS Light. Press and hold again to turn off.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Soulor CY20 Jump Starter:

- Store the device in its provided storage bag when not in use.
- Recharge the unit every 3 months, even if not used, to keep the lithium polymer battery in good condition.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasives.

9. TROUBLESHOOTING

If you encounter issues with your Soulor CY20 Jump Starter, consider the following:

- **Device not turning on:** Ensure the unit is charged. Connect it to a power source using the USB-C cable.
- **Vehicle not starting:** Check that the jumper cables are securely connected to both the jump starter and the vehicle battery terminals (red to positive, black to negative). Ensure the jump starter has sufficient charge (above 75%). If the battery is completely dead, use the Forced Start function.
- **Indicator lights not behaving as expected:** Refer to the smart cable's indicator light guide for specific meanings (e.g., solid green for ready to start, flashing for error).
- **Charging issues:** Verify the USB-C cable and power adapter are functioning correctly.

For further assistance, please contact customer support.

10. WARRANTY AND SUPPORT

Your Soulor CY20 Jump Starter is backed by a **24-month service warranty**. For any questions, technical support, or warranty claims, please contact our customer support team. We offer **24 hours and 7 days customer support** for your peace of mind.

Contact information can typically be found on the product packaging or the official Soulor website.