

- Manuals.plus /
- › OBDMATE /
- › OBDMATE JSC7100 Super Capacitor Jump Starter Instruction Manual

OBDMATE JSC7100

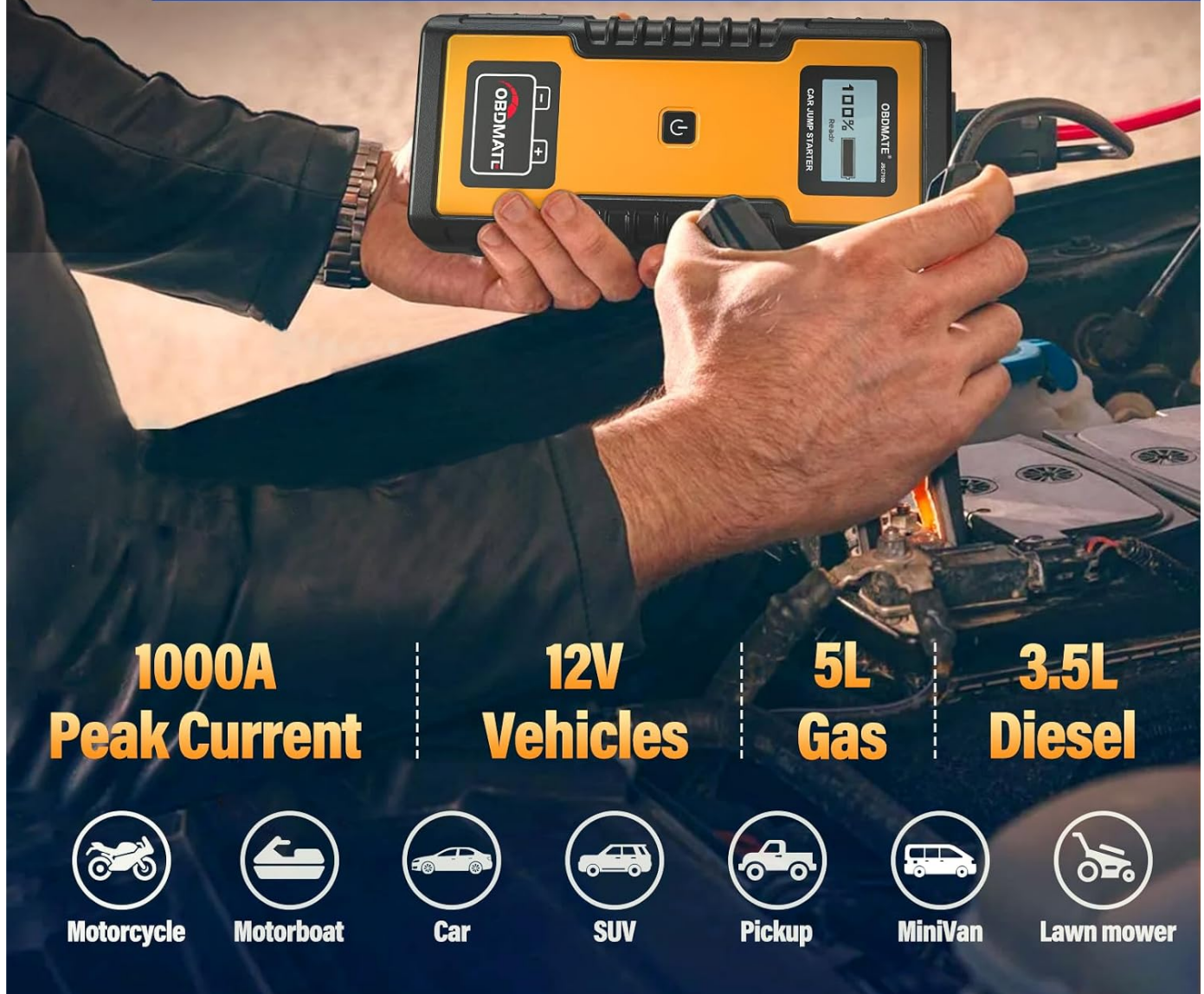
OBDMATE JSC7100 Super Capacitor Jump Starter Instruction Manual

Model: JSC7100 | Brand: OBDMATE

1. PRODUCT OVERVIEW

The OBDMATE JSC7100 is a battery-free super capacitor jump starter designed to provide instant cranking power for 12V gasoline and diesel engines. Unlike traditional battery-based boosters, it does not require pre-charging and does not retain power for extended periods, making it a safe and reliable solution for vehicle emergencies.

SUPER CAPACITOR JUMP STARTER STARTUP IN SECONDS



**1000A
Peak Current**



Motorcycle



Motorboat



Car



SUV



Pickup



MiniVan



Lawn mower

**12V
Vehicles**

**5L
Gas**

**3.5L
Diesel**

Image: OBDMATE JSC7100 Super Capacitor Jump Starter connected to a car battery, demonstrating its primary function.

Key Features:

- **Super Capacitor Technology:** Battery-free design for instant cranking power without pre-charging.
- **Wide Engine Compatibility:** Capable of jump-starting 12V vehicles with up to 5.0L gasoline and 3.5L diesel engines.
- **Extreme Weather Operation:** Functions reliably in temperatures from -22°F (-30°C) to 140°F (60°C).
- **Multiple Charging Options:** Recharges via car battery (3 minutes), DC charger (3 minutes), or USB-Type C (30 minutes).
- **Intuitive LCD Display:** Shows connected vehicle voltage and unit's power percentage.

2. SAFETY INFORMATION

Always prioritize safety when operating the jump starter. Read and understand all instructions before use.

- **Polarity Protection:** The unit features reverse polarity protection. If connected incorrectly, an indicator light will alert you, preventing damage to the unit or vehicle.
- **Temperature Safety:** The capacitor-based design eliminates risks of fire, swelling, or freezing associated with traditional lithium battery jump starters.
- **Ventilation:** Ensure adequate ventilation when working on a vehicle battery.
- **Eye Protection:** Always wear appropriate eye protection during operation.
- **Keep Clear:** Keep hands, hair, and loose clothing away from moving parts.

UPGRADED CAPACITOR JUMP STARTER

No fear of extream weather





Overheat Protection



Reverse Protection



Over Voltage Protection



Low Voltage Protection



Overload Protection



Image: The jump starter is shown functioning in both cold (-22°F) and hot (140°F) environments, highlighting its robust design for extreme weather conditions.

3. SETUP

Package Contents:

Verify that all items are present in the package:

- OBDMATE JSC7100 Super Capacitor Jump Starter Unit
- Smart Jumper Cables (with EC8 connector)
- USB-A to Type-C Charging Cable
- User Manual



Image: The package contents are laid out, showing the main jump starter unit, smart jumper cables, and a USB-C charging cable.

Initial Charging (if needed):

The JSC7100 is battery-free and does not require initial charging for storage. However, it needs to be charged from a power source before each use. Refer to the 'Operating Instructions' for charging methods.

4. OPERATING INSTRUCTIONS

Charging Options for the Unit:

The unit can be charged using one of three methods:

1. **From a Car Battery (12V, 7A):** Connect the smart jumper cables to a car battery with at least 8V. The unit will fully charge in approximately 3 minutes.
2. **From a DC Charger (12V, 5A):** Connect the unit to a DC charger. Full charge in approximately 3 minutes.
3. **From a USB-Type C Port (5V, 2A):** Connect the unit to a USB-Type C power source. Full charge in approximately 30 minutes.

3 WAYS OF CHARGING

DC/Cigar Lighter Charge (3mins)



Battery Charge (3mins)



USB-C Charge (30mins)



Image: Visual representation of the three charging methods for the jump starter: DC/Cigar Lighter, direct car battery connection, and USB-C.

Jump-Starting Your Vehicle:

The unit supports two start modes: Standard Start and Forced Start.

Standard Start (for partially powered car battery):

1. Connect the smart jumper cables to the OBDMATE JSC7100 unit.
2. Connect the red clamp to the positive (+) terminal of your car battery and the black clamp to the negative (-) terminal.
3. The unit will begin to charge from your car battery. Wait for the LCD display to show 100% charge (approx. 3 minutes).
4. Press the power button on the jump starter.
5. Turn on your car's ignition to start the engine.

Forced Start (for extremely low car battery voltage):

If your car battery voltage is extremely low (below 8V), the unit must be fully charged from another power source (another car battery, DC charger, or USB-C) before attempting a Forced Start.

1. Ensure the jump starter unit is fully charged.
2. Connect the smart jumper cables to the OBDMATE JSC7100 unit.
3. Connect the red clamp to the positive (+) terminal of your car battery and the black clamp to the negative (-) terminal.
4. Press and hold the power button on the jump starter for 6 seconds. The unit will initiate a 10-second countdown and emit a long beep.
5. Within the 10-second countdown, turn on your car's ignition to start the engine.

LCD Display:

The integrated LCD screen provides real-time information:

- **Vehicle Voltage:** Displays the voltage of the connected car battery.
- **Power Percentage:** Shows the current charge level of the jump starter unit.
- **Status Indicators:** Provides visual cues for charging status and readiness.

5. MAINTENANCE

The OBDMATE JSC7100's super capacitor technology requires minimal maintenance:

- **Storage:** Store the unit in a cool, dry place. Due to its battery-free design, it does not require periodic recharging during storage.
- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Temperature Range:** The unit is designed to operate and be stored within temperatures from -22°F (-30°C) to 140°F (60°C).

6. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	Unit is completely discharged.	Charge the unit using a DC charger or USB-Type C.
Red indicator light on smart cables.	Reverse polarity connection.	Disconnect clamps and reconnect to correct terminals (red to positive, black to negative).
Vehicle does not start after jump attempt.	Car battery too low for Standard Start; unit not fully charged.	Ensure unit is 100% charged. If car battery is extremely low, use Forced Start mode.
LCD screen shows voltage below 8V.	Car battery is severely discharged.	Charge the jump starter from another car battery or external power source before attempting to start the vehicle.

7. SPECIFICATIONS

Feature	Detail
Model	JSC7100
Peak Current	800A (Note: Some product information may state 1000A, refer to product packaging for exact rating)
Engine Compatibility	Up to 5.0L Gas, 3.5L Diesel (12V vehicles)
Operating Temperature	-22°F (-30°C) to 140°F (60°C)
Charging Input (USB-C)	5V, 2A
Charging Input (DC)	12V, 5A
Weight	1.6 kg
Dimensions	30.3 x 27.2 x 7.11 cm

8. WARRANTY AND SUPPORT

OBDMATE offers a 30-day free return policy and a 3-year quality warranty for the JSC7100 Super Capacitor Jump Starter. For any quality issues or support inquiries, please contact OBDMATE customer service for prompt assistance or replacement.

For further assistance, please refer to the contact information provided with your product packaging or visit the official OBDMATE 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

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

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