



JUMP STARTER JS 12B [WITH SUPERCAPACITOR TECHNOLOGY] USER MANUAL

Thank you for purchasing the Jump Starter with Supercapacitor Technology. Please read this manual thoroughly before making connections and turning ON the power. Following the instructions in this manual will enable you to obtain optimum performance from your new Jump Starter with Supercapacitor Technology. Please retain this manual for future reference.

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www.keltroncomp.org

KELTRON COMPONENT COMPLEX LIMITED

Safety Instructions

Read the Instructions: Read all instructions carefully. Please keep this manual for easy reference. If you have any questions or concerns, please contact us at info@keltroncomp.org

Retain the Instructions: Please retain this Instruction Manual for future reference.

WARNING

- To reduce the risk of electric shock, do not open the set. No user serviceable parts inside. Refer all servicing to qualified personnel only.

CAUTIONS

1. The JUMP STARTER is battery less and works using Supercapacitors.
2. However, since you will be working in the vicinity of a lead-acid battery during jump starting, follow the general safety instructions while working with batteries and specific instructions published by the battery manufacturer and those instructions from the manufacturer of any equipment you intend to use in the vicinity of a battery. Review cautionary markings on those products and on their engines. Place the JUMP STARTER as far away from the battery being jumped as the cables will permit. Never place the product directly above the battery being jumped.
3. Keep out of reach of children.
4. Use in a well-ventilated area only.
5. Do not disassemble the product and its accessories. Incorrect assembly may result in fire or electrical shock.
6. Never operate the product if it is damaged.
7. Do not set the starter on flammable materials, such as carpeting, upholstery, paper, cardboard, etc.
8. Do not expose the product to rain or snow.
9. To prevent arcing, never allow the clamps to touch each other or to contact one the same piece of metal at the same time.
10. The product is not designed to be installed as a replacement for a vehicle battery.
11. Make sure your vehicle is in "Park" and the emergency brake is engaged.
12. Turn off all electronics in your vehicle.
13. Make sure the vehicle key is in the "OFF" position. For smart-key fobs (push-to-start vehicles), make sure the vehicle is completely OFF before jumpstarting.
14. Avoid direct sunlight. Keep away from heat.
15. Do not use corrosive solvents to clean the product.

General Description of product

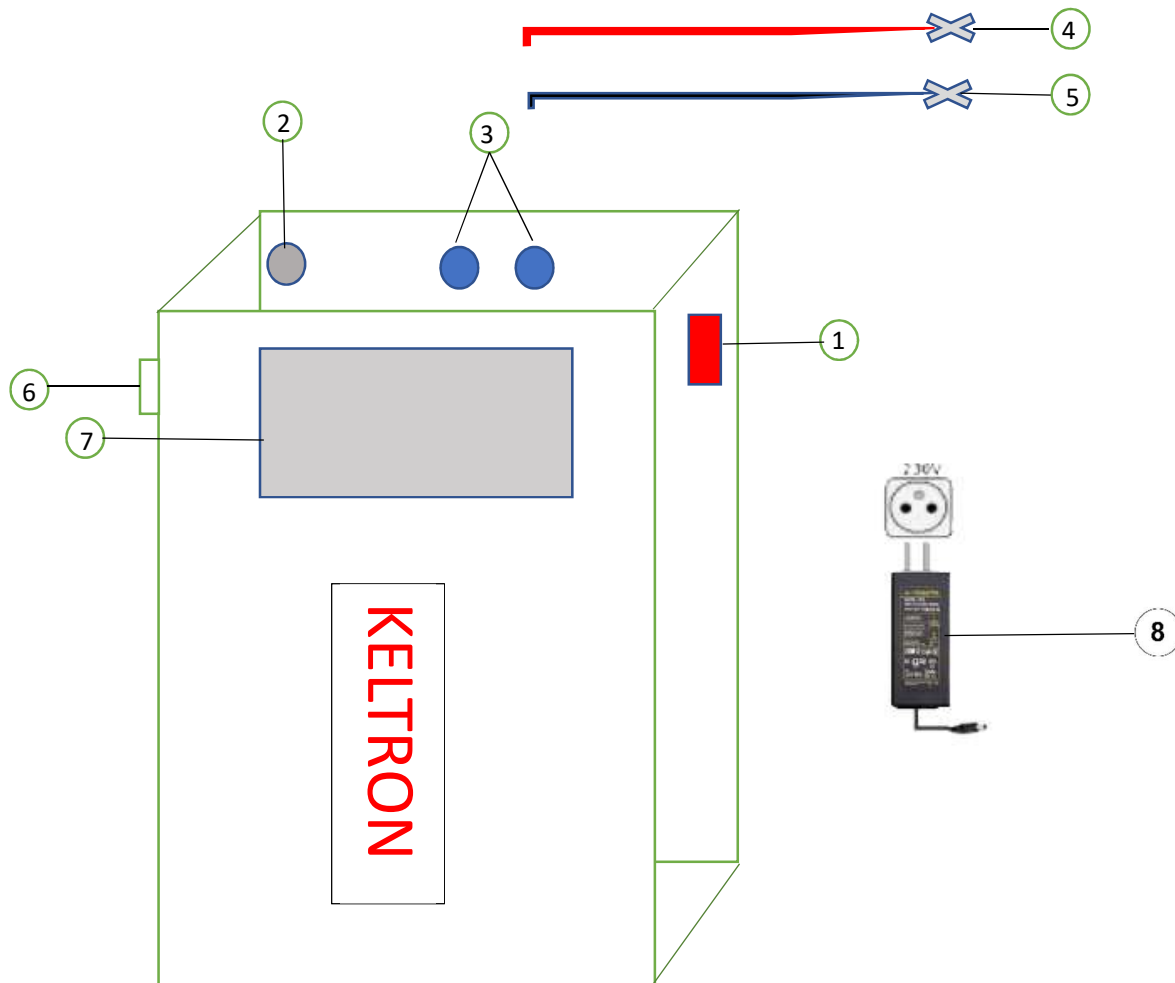
KELTRON introduces an innovative solution for starting your vehicle when the battery is dead or discharged. The SUPERCAPACITOR POWERED JUMP STARTER is a compact and convenient device designed to quickly resolve the frustration of a car that won't start due to a dead battery. Simply connect the JUMP STARTER to the battery terminals, and it will provide the necessary power to start your vehicle, allowing you to drive safely. Once the vehicle has been started, its normal charging system will recharge, so the auxiliary source (Jump Starter) can be removed. Otherwise you can drive it to the nearest service station. If the vehicle charging system is functional, leaving the engine running will restore the charge of the battery. Motorists may carry the handy "Jump Starter" for use in case of accidental discharge of the vehicle battery (for example, by headlights, interior lights or ignition switch left on while the engine is not running). The handy "Jump Starter" is battery less and uses only "Supercapacitors". The Jump Starter uses advanced supercapacitor technology to store and deliver power, enabling quick vehicle starts, even with weak or dead 12V batteries.

Specification	Details
Output Voltage	12 V (Suitable for vehicles with 12 V Batteries, including 32 Ah types)
Peak Current	600 A (adequate for jump starting small cars with 32 Ah batteries)
Working/Storage Temperature	-40°C to +65 °C
Battery Charging Time	For Input Voltage: 12V < 3 min
	Input Voltage: 6V < 20 Min
	Input Voltage: 5V < 30 Min
Weight	1 kg
Size (in cms)	26 (L) * 9.3 (W) * 5.3 (H)
Application	For Household Purpose, Automobile workshop (including small cars)
Engine compatibility	Support gasoline engine up to 7 L and diesel engines up to 4 L

Jump starter Features

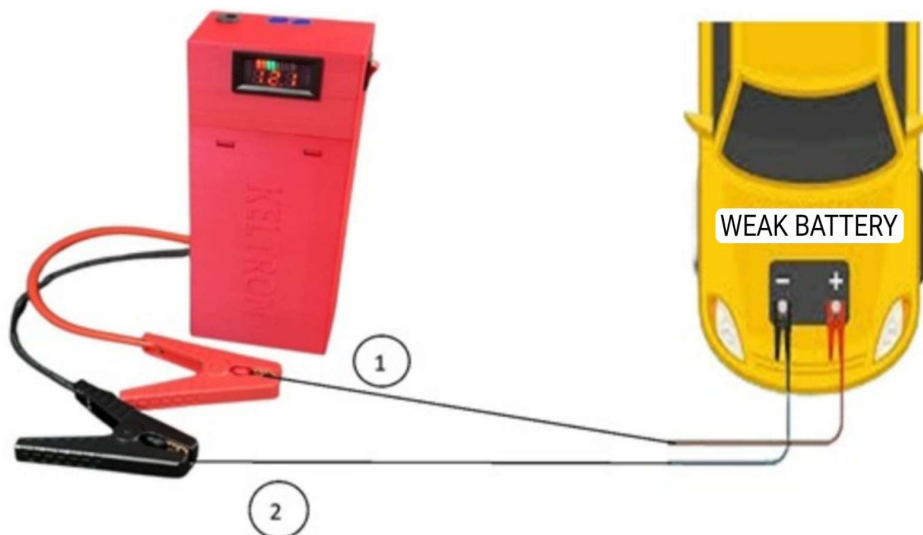
- Supercapacitor-Based: No internal batteries required.
- No Pre-Charging Needed: Ready for immediate use.
- Durable Lifespan: 10 years of reliable performance.
- Wide Operating Temperature Range: -40°C to +65°C
- Ultra-Safe and Maintenance-Free: Minimal upkeep with built-in safety measures.
- High Peak Current: 600 A
- Engine Compatibility: Supports gasoline engines up to 7L and diesel engines up to 4L

Panel Controls & Features



1. Jump starter ON/OFF switch
2. 12 V charger adapter input
3. Jump starter clamp connector
4. Positive clamp connector
5. Negative clamp connector
6. JUMP START button
7. Power status indicating display
8. 12 V, 3A Power Adapter (External)

Jump Starter Connection Diagram



1. + ve terminal Connection from battery to jump starter
2. - ve terminal Connection from battery to jump starter

Operating Instructions

1. Preparation

If your battery is totally dead, charge the JUMP STARTER from any external 230V mains AC socket using the charger (AC Adapter) provided, before attaching the Clamps to the battery. The digital display shows the charging status when the charging starts and stops automatically when fully charged.

2. Attach Clamps

Attach both boost clamps to your vehicle's corresponding battery terminals. (Red /+; Black/-);

3. Automatic charging from the weak battery

When the clamps are connected, put the Jump starter power switch to ON position. The JUMP STARTER charging from the weak battery automatically begins and stops when fully charged. The digital display shows the charging status when the charging starts and stops automatically when fully charged.

4. Switching ON the Jump Starter

Put the Jump starter power switch to ON position.

5. Starting the Jump Starter

Press the JUMP START button. The jump starter is ready and starts discharging. The countdown starts. Get into the vehicle and get ready to start the engine.

6. Starting the Engine of the Vehicle

When you hear the continual buzzer sound, start the engine. Ensure to get into your vehicle before the countdown ends and start the engine.

7. Detach & Go

Now you can put the Jump starter power switch to OFF position and detach the Clamps, and drive the vehicle.

Note

1. Please try one more time if you fail to jump start.

Reading OLED Display

Display

Indication

Red LED

: Battery Low Charge

Red and Green LEDs

: Battery Full Charge

Maintenance Guidelines

- Ensure all terminal connections are tight.
- Ensure polarity of the clamp connections are correct.



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