



JUMP STARTER

JS 12B

[WITH SUPERCAPACITOR TECHNOLOGY]

USER MANUAL

[SUITABLE FOR VEHICLES [2/3/4 WHEELER] WITH PETROL ENGINES UPTO 2000 CC]

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

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.
16. The Jump Starter Works for vehicles [2/3/4 wheeler] with petrol engines up to 2000 cc.
17. As explained in operating instructions, after pressing the jump start button, and hearing the buzzer sound, the vehicle should be started immediately along with the long beep.

General Description of product

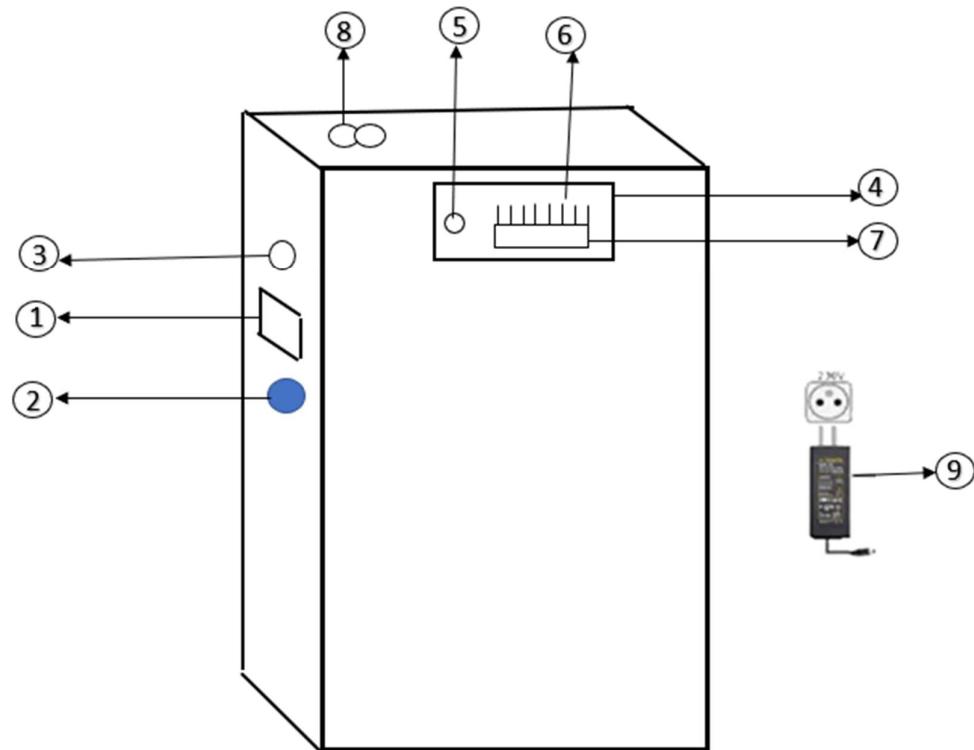
KELTRON introduces an innovative solution for starting your vehicle when the battery is dead or discharged. The SUPERCAPACITOR POWERED JUMP STARTER is a compact and convenient device designed to quickly resolve the frustration of a car that won't start due to a dead battery. Simply connect the JUMP STARTER 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)	29.3 (L) * 12.7 (W) * 5.4 (H)
Application	For Household Purpose, Automobile workshop.
Engine compatibility	Supports vehicles [2/3/4 wheeler] with petrol engines up to 2000 cc.

Jump starter Features

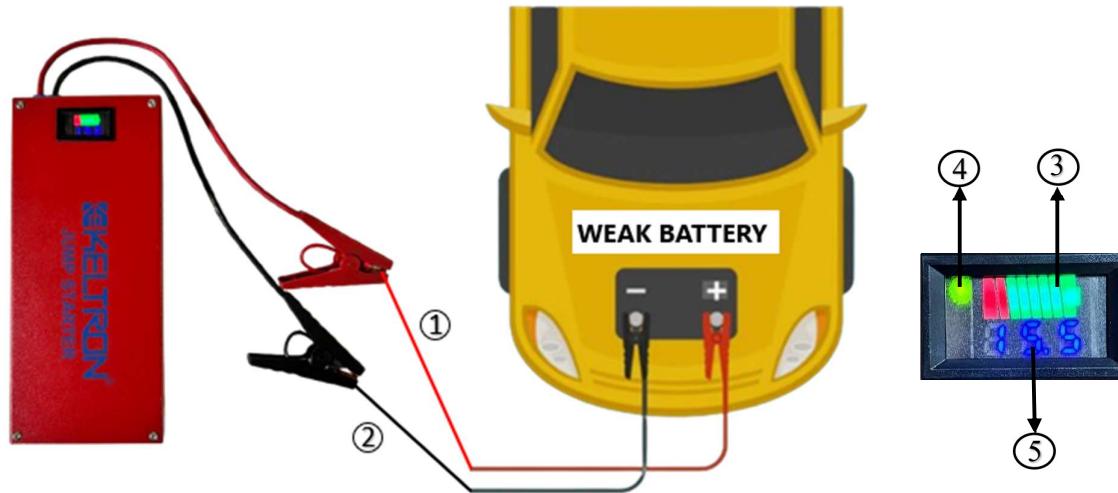
- Supercapacitor-Based: No internal batteries required.
- No Pre-Charging Needed: Ready for immediate use.
- Durable Lifespan: 10 years of reliable performance.
- Wide Operating Temperature Range: -40°C to +65°C
- Ultra-Safe and Maintenance-Free: Minimal upkeep with built-in safety measures.
- High Peak Current: 600 A
- Engine Compatibility: Supports vehicles [2/3/4 wheeler] with petrol engines up to 2000 cc.

Panel Controls & Features



1. ON/OFF power switch
2. External Charging port
3. Jump Start Push button
4. Charge level indicator
5. READY LED
6. LED PROGRESS BAR
7. Voltage level display
8. Wire outlets to connect to battery.
9. 12 V, 5A 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
3. LED PROGRESS BAR
4. READY LED
5. VOLTAGE LEVEL DISPLAY

Operating Instructions

1. Switching ON the Jump Starter

Put the Jump starter power switch to ON position.

2. Attach Clamps

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

3. Automatic charging from the weak battery

The JUMP STARTER begins charging from the weak battery automatically and stops when fully charged. The LED PROGRESS BAR shows the charging status. Also, the display will show the voltage level. When the charge is full (16V), the READY LED in the display will light up.

4. Starting the Jump Starter

Press the Jump Start button and ensure to get inside your vehicle without delay (within 8 Seconds). You can hear 8 short beeps in this duration followed by a long beep.

5. Starting the Engine of the Vehicle

When you hear the long beep buzzer sound, immediately start the engine. Ensure to get inside your vehicle without delay (8 Seconds of short beep duration).

6. Charging from External AC Adapter

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. Ensure to switch on the Power Switch while charging. The digital display shows the charging status and charging stops automatically when fully charged. Then follow the steps 2 to 5 above.

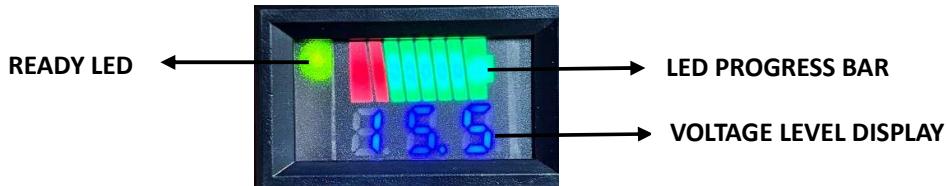
7. Detach & Go

Once the engine is started, 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. Switch off and then turn on the Jump Starter before the second try.

Reading OLED Display

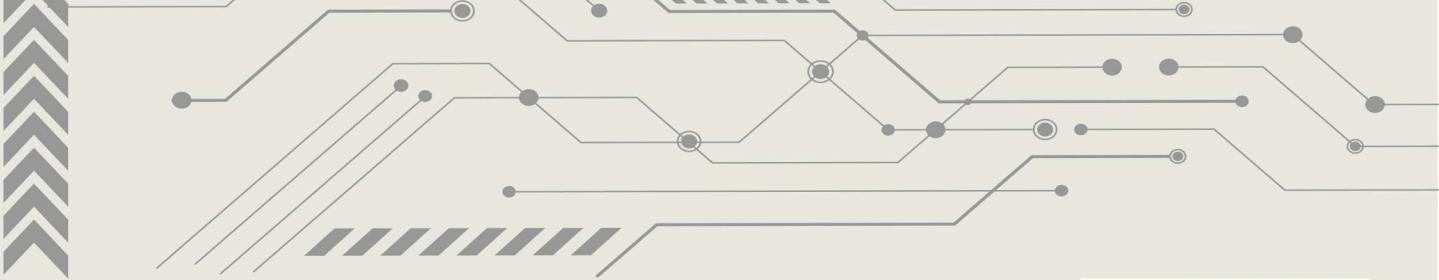


When the charge is Low, the LED PROGRESS BAR displays Red. As the system gets charged Green indication in LED PROGRESS BAR grows and become full Green when fully charged. Also you can read the exact voltage level in the VOLTAGE LEVEL DISPLAY. When the charge is full, the READY LED in the display will light up.

- READY LED Lights up when the system is fully charged and ready to press the Jump Start button.

Maintenance Guidelines

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



A Government of Kerala Undertaking



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