



Skan Boost 1000

Lithium jump starter for 12 V

JM no. 609 04 00



Scope of supply:

JMP Skan Boost 1000, charging cable, jumper cables, protective case

Thank you for choosing the JMP Skan Boost 1000 jump starter. The JMP Skan Boost 1000 jump starter is suitable for jump-starting cars, vans, small lorries, boats, mobile homes, motorbikes, scooters, quad bikes, etc.

Charge the jump starter immediately after purchasing it, after every use and every 30 days or if its charge falls below 85%, in order to charge the internal battery fully and extend the battery's service life.

Technical data:

12 V / 500 A continuous power, 1,000 A peak current

Dimensions: 245 x 130 x 115 mm, weight: 1 kg

Recommended for use between -20°C and +50°C

Charge at between 0°C and +45°C

Suitable for:

- Standard lead acid
- Gel
- AGM
- EFB
- Lithium (LiFePO₄)

Safety information:

- Read the instructions for use before using the device and keep them instructions available for future reference. These instructions explain how to use the device safely and efficiently. Please read and follow the instructions and safety information carefully. Failure to do so may result in serious injuries or death.
- Read, understand and follow all instructions concerning the battery, vehicle and equipment to be used. Check the warnings on the battery and engine.
- Do not expose the device to rain, snow, moisture or dust.
- Warning: Explosive gases! Avoid naked flames and sparks. Ensure adequate ventilation during charging/ use.
- Risk of electric shocks.
- Fire hazard.
- Risks from hazardous substances.
- Wear protective clothing: protect eyes and body completely, including safety goggles.
- Keep out of reach of children.

- This device should not be operated by people (including children) with limited physical, sensory or mental capabilities or a lack of experience and relevant knowledge, unless such individuals are supervised or receive corresponding training.
- Supervise children to ensure they do not play with the device.
- Do not use with non-rechargeable batteries.
- Use in a dry, well-ventilated area and not in the vicinity of liquids.
- Only use accessories recommended by the manufacturer.
- Do not use the device with damaged input or output cables.
- Do not open or take apart the device; take it to a qualified specialist if servicing or repairs are required.
- Do not use the device if it has suffered a violent impact, has fallen or has been damaged in any other way.
- Do not insert fingers or hands into the device.
- Never place the device on the battery during use.
- Do not attempt to jump-start a damaged battery.
- Never attempt to jump-start if the battery is frozen. Ensure that the device's internal battery does not freeze.
- Never connect the device to a battery or starter with a short circuit.
- Do not just the jump starter to jump-start a vehicle while the internal battery is charging.
- Keep away from jewellery. Remove personal items made of metal such as rings, bracelets, necklaces and watches before working with lead acid batteries. Lead acid batteries can cause such intense short-circuit currents that rings or similar metal objects are welded, resulting in severe burns.
- Keep away from tools. Take special care in order to reduce the risk of a metal tool falling onto the battery. This could produce sparks or short-circuit the battery or other electrical components, which could result in an explosion.
- Ensure that the ends of the two jumper cables never touch each other or come into contact with the same piece of metal simultaneously.
- It is best to ask someone to rush to help you if necessary when you are working in the vicinity of a lead acid battery.
- If battery acid comes into contact with your skin or clothing, rinse the area immediately with water for at least 30 minutes. If acid should enter your eyes, rinse your eyes immediately for at least 10 minutes under running water and seek medical assistance immediately.
- Should battery acid be accidentally swallowed, do not induce vomiting. Seek medical assistance immediately.
- Determine the voltage of the battery using the operating manual of the vehicle and make certain that the output voltage of the device is correct.
- Connect the output cable in such a way that any risk of damage from the bonnet, door and moving or hot engine components is reduced. Should it prove necessary to close the bonnet during the jump-start procedure, ensure that the bonnet does not touch the metal part of the jumper cables or cut the insulation of the cables.
- The battery terminal not connected to the chassis must be connected first. The other one should be connected to the chassis at a point far away from the battery and fuel supply.
- Observe the instructions for cleaning and maintenance by the user.
- Cleaning and maintenance by the user must not be performed by children without supervision.
- The device must only be operated with protective low voltage in accordance with the labelling on the device.
- This device contains a lithium ion battery. In case of fire, please contact the emergency services for assistance. You can use a special fire extinguisher to put out the fire. Water should only be used as a last resort. Never attempt to pick up or move a hot, smoking or burning device, as you could injure yourself doing so.

2. General information

2.1 Description



Not shown: Type C / USB cable and bag

3. The internal battery

3.1 Battery charge

To check the charge of the internal battery: Press the display button. The battery charge is shown on the display in percent (%). 100% is shown when the internal battery is fully charged. Charge the internal battery if less than 85% is shown on the display.

3.2 Charging the internal battery

Charge the device as soon as possible after every use. Never discharge the battery completely. Use a 2 A USB charger (not included in scope of supply) or a 2 A USB charging connection to recharge the jump starter quickly. Using a charger with less than 2 A will result in a longer charging time.

1. Insert the USB C connector of the charging cable into the port. Then connect the USB end of the charging cable to the USB port on the charger.
2. Connect your charger to a live AC or DC socket.
3. The LCD display illuminates, the digits begin to flash and "IN" is shown. This indicates that the charging process has begun.
4. When the charging input (5 V DC, 2 A) is used, it takes approx. 2.5–4 hours to charge the jump starter fully.
5. Once the device is fully charged, "100%" is shown on the display.
6. Once the battery is fully charged, disconnect the charger from the main socket and remove the charging cable from the charger and the device.

4. Using the LED light

1. Press the display button.
2. Hold the display button depressed for 3 seconds.
3. As soon as the LED light illuminates (continuously), press the display button and release it to switch between the following modes.
 - Flashing for an SOS signal
 - Flashing in strobe mode
4. If you do not require the LED light anymore, press the display button until the light turns off.
5. Charge the device as soon as possible after use.

5. Charging a mobile device

5.1 Charging via the USB ports.

The jump starter features two USB ports. One supplies up to 2.4 A at 5 V DC, the other is a Fast Charge 3.0, which supplies up to 5 V at 3 A, 9V at 2 A or 12 V at 1.5 A.

1. Check with your mobile device manufacturer for the correct charging power specifications. Connect a mobile device cable to the corresponding USB port.
2. Press the display button. The charging procedure should start automatically. The display shows which connection is currently in use.
3. The charging time depends on the size of the mobile device's battery and the charging connection used.
Note: In the case of most devices, it is irrelevant which of the two USB ports is used for charging, although the charging may be slower.
4. Once you no longer require the USB connection, disconnect the charging cable from your mobile device. and remove the charging cable from the device. The device turns off automatically.
5. Charge the device as soon as possible after use. NOTE: If no USB device is connected, the power supply to the USB ports switches off automatically after 30 seconds.

5.2 Wireless charging

The wireless charging pad supplies an output of 10 W for rapid charging of your compatible mobile devices. Check with the manufacturer of your mobile device to be sure that your device supports wireless charging. Place the compatible device on the charging pad with the top side facing upwards.

1. Press the display button.
2. The charging procedure should start automatically. A symbol appears on the display.
3. Remove your mobile device once the charging process is complete.
4. Charge the device as soon as possible after use.

6. Operating instructions

6.1 Jump-starting a vehicle

Important:

- Using the jump starter without a battery installed in the vehicle will damage the electrical system in the vehicle.
- Only start vehicles equipped with a 12V battery system.
- Only use the smart cable supplied with the device for the jump-starting function.

Note: The internal battery must have a charge of at least 75% to be able to jump-start a vehicle.

Switch off the ignition and all electrical consumers (heating, lighting, etc.) before using the jump starter. Position the DC cables at a sufficient distance from fan blades, belts, pulleys and other moving parts.

1. Connection to the jump starter – standby mode:
Connect the smart cable with the battery clamp to the jump starter output socket. The green LED on the smart cable flashes, which means that the jump starter is in "Jump starter standby mode".
2. Connection to the battery:
First, check whether the negative terminal is connected to the chassis/earth. If not, contact your specialist dealer.
Connect the red clamp (+) to the positive terminal of the battery and the black clamp (-) to the earth/chassis of the vehicle (a thick metal part of the frame or the engine block. Do not connect it to the carburettor or fuel lines).
3. Jump starter mode:
The green LED on the smart cable illuminates continuously, which means that the jump starter is in "Ready to jump-start" mode. Note: If the vehicle battery charge is extremely low, the initial current consumption of the jump starter may activate the short-circuit protection in the smart cable. Once the condition has been rectified, the smart cable is reset automatically.
4. Starting the engine:
Start the engine for a maximum of 3 seconds and wait for at least 1 minute before trying a second time.
5. Remove the output cable:
Disconnect the battery cables from the jump starter socket after starting the engine.
6. Disconnection:
Remove the black clamp (-) first, followed by the red clamp (+).
7. Recharging:
Recharge the device as soon as possible.

6.2 Jump-starting attempt

When you use the device to jump-start an engine, do not press the starter for more than 3 seconds and wait for at least 1 minute before trying a second time. If the vehicle does not start at the second attempt, check the smart cable to see if the green LED is illuminated (continuously). If you hear beeps or an LED is flashing, check the "Troubleshooting" section.

Note: Cold weather can affect the performance of the jump starter's lithium battery. If you hear a clicking noise but the engine doesn't turn over, try the following:

If the jump starter is connected to the vehicle battery and the green LED on the smart cable is illuminated, switch all lights and electrical consumers on for a minute. This ensures that current is drawn from the jump starter, which warms up the battery. Try starting the vehicle again. If this does not help, repeat the process. In particularly cold weather, it may be necessary to warm the battery two or three times before the engine will start.

Important: Do not try to jump-start your vehicle more than three times in a row. If the vehicle does not start after three attempts, contact a service technician.

7. Maintenance and storage

Pull out the mains plug and disconnect the device completely from the power supply. Then use a dry cloth to remove any battery corrosion or other dirt or oil from the battery terminals, the cables and the outside of the housing.

Fully charge the battery before storage. If the device is not used regularly, it must be charged at least once a month in order to avoid a deep discharge.

Store the device at temperatures between -20°C and +45°C in a dry place in order to protect it from humidity and moisture.

8. Troubleshooting

8.1 Jump starter

Problem:	Solution:
The jump starter's display doesn't illuminate.	Check that the device is charged. Connect it to a power supply to reset. Check that you have pressed the display button.
The thermometer symbol is flashing.	The device is too hot or too cold. The thermometer symbol disappears when the issue is resolved.
It is not possible to charge the jump starter.	Ensure that the power source is activated. Check whether the charging cable is connected correctly.
The jump starter turns on but does not jump-start my vehicle.	Check the connections.
	Ensure that the charge of the jump starter is at least 50%.
	Do not try to jump-start your vehicle more than three times in a row. If the vehicle still does not start, contact a qualified service technician.
	Check the red/green LED on the cable and look for the corresponding problem in the table below.

8.2 Smart cable LED and alarms

LED and buzzer description	Description/cause
Green LED flashing. No signal tone.	Standby mode: The cable is connected to the jump starter properly but there is no battery connected. Action: Connect the jump starter to the vehicle battery. False detection of high voltage. A high battery voltage is "falsely" detected, but the deep discharge protection has not been activated. Action: Turn the key to jump-start the vehicle.
Green LED illuminates continuously. No signal tone.	Jump starter standby mode: Cable is connected to jump starter and battery correctly. Action: The jump starter is ready for the engine.
2 red LEDs illuminate continuously. Rapid signal tone.	Reverse battery protection. The polarity of the terminals has not been observed. Action: Connect the cables correctly (see Section 6.1 Point 2 – Connection to the battery).
No lights/LEDs. No signal tone.	Battery is flat or connection is wrong (1) The smart cable is not connected correctly to the jump starter OR (2) The jump starter battery is deep discharged. Action: First, check the connection between the smart cable and jump starter. Then check the battery status of the jump starter.
1 red LED illuminates continuously. Rapid signal tone.	Short-circuit protection: (1) There is a short circuit at the terminals OR (2) There is a short circuit at the vehicle battery. Action: First, check the terminal connection. Then check and replace the vehicle battery.
Red and green LEDs illuminate continuously, device beeps once per second.	Temperature protection: The jump starter has automatically switched to temperature protection mode. Action: Allow the jump starter to cool down before trying again.

Disposal:

Do not dispose of electrical appliances, batteries and rechargeable batteries as domestic waste.

Old electrical and electronic appliances must be collected separately and recycled in an environmentally friendly way. Illegal disposal of the device represents a breach of the law on the disposal of hazardous waste and results in a fine.

EU declaration of conformity:

We declare under our responsibility that the described device complies with all relevant provision of the following directives:

- Electromagnetic Compatibility (EMC) Directive 2014/30/EU
- Low Voltage Directive (LVD) 2014/35/EU
- Device on the restriction of the use of hazardous substances in electrical and electronic equipment (RoHS) 2011/65/EU

