Qoltec®

# USER MANUAL

# MULTIFUNCTION JUMP STARTER WITH COMPRESSOR, POWER BANK AND LED TORCH

## Model: 52819

## Introduction

Thank you for your trust and for purchasing our product. We have made every effort to ensure that the device provides practical support in everyday use and in emergency situations. This user manual has been prepared to help you use the device correctly and safely. It contains guidance on use, charging and the operation of additional functions, as well as important safety information.

If you have any questions after reading this manual, please contact NTEC sp. z o.o.

## About the product

A portable jump starter with an air pump function, a power bank and a built-in LED torch. It enables emergency starting of vehicles with a flat or weak battery without the need for assistance from a second vehicle. The product is designed for vehicles with a 12 V electrical system and can be used in cars, commercial vehicles and other motor vehicles, among others. The built-in pump allows you to inflate car, motorcycle and bicycle tyres as well as balls, and the USB port allows you to charge a phone, tablet or other digital device. The clear digital display shows the current pressure, the selected operating mode, the pressure unit and the battery charge level.

## Main product features

- Designed for emergency starting of vehicles with a flat battery.
- Peak current 1000 A, cranking current 300 A.
- Power bank function for charging mobile devices via USB, e.g. a phone, tablet or other digital devices.
- Built-in LED torch with steady light, SOS and strobe modes.
- The air pump function allows you to inflate car, motorcycle and bicycle tyres as well as balls, with the option of setting a target pressure.
- The device is charged via a USB-C 5 V / 2 A port.
- Smart cable with a 5-level protection system – protects against overcurrent, overheating, overvoltage, short circuit and reverse polarity connection.

## Safety instructions

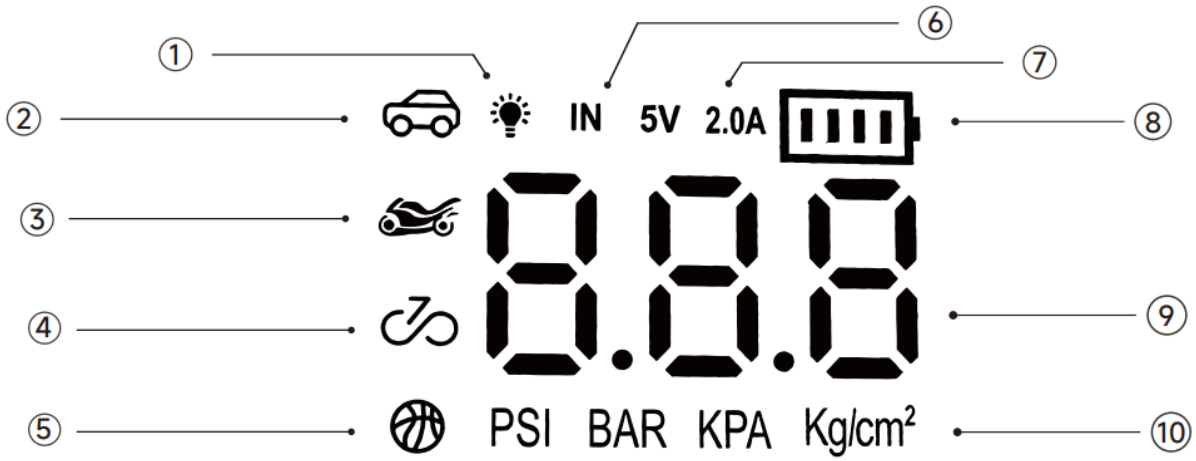
**CAUTION!** Read the user manual before first use. Following the recommendations it contains will ensure safe and correct use of the device. Before connecting the device, always check the polarity of the battery to avoid a short circuit or reverse connection of the clamps.

1. Use the device only for its intended purpose and in accordance with the manufacturer's recommendations.
2. Ensure adequate ventilation when working with batteries. Batteries can emit explosive gases – avoid naked flames, sparks and sources of high temperature.
3. Do not use the device near flammable materials, explosive gases, liquids, vapours or dust.
4. Battery acid is corrosive. When working near a battery, wear full eye protection, protective clothing and personal protective equipment.
5. When working with a lead-acid battery, remove personal metal items such as rings, bracelets, necklaces and watches.
6. If battery acid comes into contact with your skin or clothing, immediately wash the area with soap and water. If acid gets into your eye, immediately rinse the eye under cold running water for at least 10 minutes and seek medical attention without delay.
7. Take particular care to reduce the risk of dropping a metal tool onto the battery. This could cause sparking or short-circuit the battery or another electrical component, which could cause an explosion.
8. Do not smoke or allow sparks or flames to occur while using the device.
9. The product is not intended for use by children or by persons who are unable to follow the instructions.
10. Do not open the housing or attempt to carry out repairs yourself. In the event of damage, contact an authorised service centre.
11. Do not use the device if the cables, connectors or clamps are damaged.
12. Do not allow the clamps to touch each other or any other electrically conductive parts.
13. Do not touch the metal parts of the clamps while the device is in operation.
14. Protect the device from water, moisture, rain and prolonged exposure to sunlight.
15. Do not use the device with wet hands and do not immerse it in liquids.
16. Store the device in a dry place, away from heat sources and high temperatures.

17. Protect the device from falls, impacts and other mechanical damage.

**WARNING**: Failure to follow the above recommendations may result in damage to the device or the vehicle battery and may pose a risk to the health and life of the user.

## DEVICE DIAGRAM




1. Torch indicator
2. Car tyre inflation mode
3. Motorcycle tyre inflation mode
4. Bicycle tyre inflation mode
5. Ball inflation mode
6. Input/charging indicator
7. Current indicator
8. Battery level indicator
9. Tyre pressure display
10. Tyre pressure unit display

| | |
|---|---|
|  | Switching on: press and hold the ‘Power’ button for 2 seconds to switch the device on. |
| | Switching off: press and hold the ‘Power’ button for 2 seconds to switch the device off. |
| | If the device is not used for 1 minute after being switched on, it will switch off automatically. |

| | |
|---|---|
|  | With the device switched on, press the '+' or '–' button to set the required pressure value.<br>Press and hold the button to change the value quickly and continuously. |
|  | With the device switched on, briefly press the 'Light' button to switch on the LED torch in steady light mode.<br>You can then briefly press the 'Light' button to switch the torch to SOS warning mode or strobe light mode.<br>To switch off the torch, briefly press the 'Light' button again. |
|  | With the device switched on, briefly press the 'Unit Adjustment' button to switch between four modes: 'Car', 'Motorcycle', 'Bicycle' and 'Basketball' (ball). |
| | With the device switched on, press and hold the 'Unit Adjustment' button to switch between four pressure units:<br>'PSI', 'BAR', 'KPA' and 'KG/CM$^2$'. |

## Charging the device

1. Connect the USB-C cable to the charging port on the jump starter.
2. Connect the other end of the USB cable to a mains charger.
3. Plug the charger into a socket.
4. Once power is connected, the device will start charging and the indicator will flash to show that charging is in progress.
5. Wait until the device is fully charged.

**Note:** the mains charger is not included.

## Operating rules

1. Before use, make sure that the jump lead is correctly and fully connected to the jump starter.
2. The device is intended for vehicles with a 12 V electrical system. Do not use it on vehicles with a different voltage.
3. Connect the clamps according to the battery polarity: red to the positive terminal (+), black to the negative terminal (-).

4. Make sure that the clamps make firm contact with the battery terminals and do not touch each other.
5. If the vehicle fails to start, wait at least 1 minute before trying again.
6. Do not make more than three consecutive attempts to start the vehicle. If the vehicle still does not start, check the condition of the battery and the electrical system.
7. Once the vehicle has started, disconnect the clamps from the battery within 30 seconds.
8. Do not use the device as a replacement for a car battery.
9. Charge the device only via the USB-C port and recharge it at least once every 3 months, even when it is not in use.

**CAUTION**: Do not use the device continuously. Each starting attempt should be as short as possible.

## Starting a vehicle with the jump starter

The product is intended for vehicles with a 12 V electrical system.

1. Press and hold the power button for 2 seconds to switch the device on. Make sure that the battery charge level is above 75%.

Note: If the battery charge level is below 75%, it may not be possible to start the vehicle.

2. Connect the red clamp to the positive terminal of the car battery (+) and the black clamp to the negative terminal of the battery (–). Plug the jump lead connector into the EC5 port on the jump starter.

3. Turn the ignition key to the start position or press the START button in the car.

4. Once the vehicle has started successfully, first unplug the connector from the device and then remove the clamps from the car battery.

## Power bank

Charging devices via USB

1. Connect the USB cable to the USB output port on the jump starter.
2. Connect the other end of the cable to the charging port on your mobile device.
3. Press the power button on the jump starter to start charging.

## LED torch

1. Press the LED button to switch on the torch.
2. Briefly pressing the torch button cycles through the available lighting modes:

- constant light,
- strobe mode,
- SOS mode.

3. To switch the device off, press and hold the torch button for approximately 3 seconds.

## Air compressor

1. Connect the compressor hose to the inflation port on the device and screw it on securely.
2. Connect the other end of the hose to the tyre valve or to the appropriate nozzle/adaptor, depending on what you want to inflate.
3. Press and hold the power button to switch on the device. Once switched on, the LCD display will show the current settings and allow you to select the pressure.
4. Select the appropriate inflation mode:
    - car – 36 PSI / 2.5 BAR,
    - motorcycle – 33 PSI / 2.3 BAR,
    - bicycle – 30 PSI / 2.1 BAR,
    - ball – 8 PSI / 0.55 BAR.
5. If necessary, change the pressure unit, e.g. PSI or BAR.
6. Use the „+" and „–" buttons to set the target pressure. A short press changes the value step by step, while pressing and holding lets you set the required value more quickly.
7. Once the pressure has been set, press the power button to start inflating.
8. When the set pressure is reached, the device will stop inflating automatically.

**Important tips:**

✔️ The hose may become hot during inflation. When you have finished, wait until it has cooled down before disconnecting it.

✔️ The device may be operated continuously for a maximum of 15 minutes. After each use, allow it to cool down for 5–10 minutes.

✔️ When inflating a ball, do not insert the needle too deeply into the hose, so as not to block the airflow.

✔️ Do not use the device near flammable liquids, gases, vapours or dust, e.g. at petrol stations.

## Technical specifications

| Parameter | Specification |
|---|---|
| Battery type | lithium-ion (Li-ion) |
| Battery capacity | 12000 mAh / 14.8 V / 44.4 Wh |
| Charge cycles | >300 cycles |
| Peak current | 1000 A |
| Cranking current | 300 A |
| Charging voltage | 14.8 V |
| Input voltage | 5 V |
| Output voltage (USB port) | 5 V / 2 A |
| Maximum air pump pressure | 150 PSI |
| Air pump power | 100 W |
| Pressure units | PSI, BAR, KPA, KG/CM² |
| Operating temperature | 0°C - 45°C |
| Full charging time of the device | Approx. 8 hours |
| IP | IP50 |
| Protections | • Short-circuit protection<br>• Reverse polarity protection<br>• Overheating protection<br>• Overvoltage protection |
| Supported engines | Petrol engine: up to 5.0L displacement, diesel engine: up to 3.0L displacement |

## Maintenance

The device requires minimal maintenance. Regularly following a few simple rules will keep the jump starter in good technical condition and extend its service life.

1. Before cleaning, make sure that the device is not connected for charging or to the vehicle battery.
2. Clean the housing, cables and clamps with a soft, slightly damp cloth.
3. Do not use aggressive chemicals, solvents or abrasive materials.
4. Do not immerse the device, cables or clamps in water or other liquids.
5. After use, disconnect the cables and arrange them so that they are not bent, twisted or exposed to damage.
6. Check the clamps regularly and, if necessary, clean off any dirt or traces of corrosion, then dry them thoroughly.
7. Store the device away from moisture and heat sources.
8. Any repairs and servicing other than basic cleaning should only be carried out by qualified personnel.

## Disposal

The used product should be taken to an appropriate collection point for waste electrical and electronic equipment, where it will be properly recycled. Do not dispose of the product with household waste.

## Warranty

The product is covered by a 24-month manufacturer's warranty from the date of purchase. If you experience any problems, please contact our customer service department.