

ATTENTION! Please make sure to read the following advices carefully, prior to the first installation of the battery in your vehicle and keep this manual at a safe place.

Thank you for buying this LITEBLOX battery and showing trust in our young company. To make sure that you receive an immaculate product with high durability, each single LITEBLOX battery is carefully assembled by hand in our manufactory and subjected to visual and technical tests before shipping.

Furthermore each LITEBLOX battery comes fully charged and is „ready for to go“.

Scope of delivery

LITEBLOX battery / protective caps / mounting material / promotion package

Intended use

Our LITEBLOX battery models (LB11XX / LB19XX / LB26XX) are exclusively made to start automotive combustion engines with charging via alternator (13,6-15,2V) and should not be used for any other purposes. Please use the configurator on our website or contact us to make sure that you have chosen the right model for your application.

Installation (only by qualified personnel)

1. Check battery for visual damages before first use
2. Install battery with the implemented bracket, using delivered material
3. Connect to the vehicle electronics (make sure to apply battery pole grease)
4. Start your car and check the alternator voltage (via Multimeter or Smartphone App*)

The connection can either be done via the standard (OEM) vehicle terminal clamps or ring cable lugs (in this case remove the black protective caps for the M8 coil on top).

Connect first positive (+), then negative pole (-) to the vehicle electronics; (reverse order during disassembly).

Make sure, to install the terminals clamps without using any additional force (if too tight, spread open before installing) and make sure to not exceed a maximum torque of 5Nm for all battery pole mounting components at any time.

Connections are to be shielded carefully against surroundings, vibrations and fraying. Parts carrying electricity should never get in contact with the battery housing and should therefore be shielded carefully.

Our LITEBLOX batteries are most widely maintenance free, but should be checked regularly for proper fixture, save wiring and optimal state of charge (via Smartphone App*).

Usage

Usage under conditions deviating from the product label can result in highly reduced life cycle and may lead to corrosive injuries, damage or failure.

The lifespan of your LITEBLOX battery can be optimized if operated within our recommendations for temperature range, voltage and intended use:

- Operating Voltage: 13,6 - 15,2V (check alternator voltage before using)
- Operating Temperature: 0 - 40°C (shield from hot components)
- Storage Temperature: 15 - 20°C (take out of vehicle for storage during winter)
- Storage Capacity: 40 - 60% (discharge before storage)

Our electronics is equipped with an intelligent monitoring system to protect the cells, which reports critical states (discharge <12,4V / overcharge >15,2V) by an acoustic alarm signal (~80dB) in realtime.

In this case recharge your LITEBLOX battery in time, using our battery charger LB100I, and make sure to contact us for service and further advices. When using the Charger LB100I, make sure to disconnect your vehicle while charging (remove minus pole or use break switch) and read the charger manual carefully in advance.

**evaluate full battery parameters with your smartphone via WPAN-interface for surveillance, diagnostics and remote maintenance (download APP in the Google playstore).*

Never deepcharge (<12,0V) or overcharge (>15,2V) your LITEBLOX at any time.

If so, contact your dealer for service immediately - same if the charging time is exceeds 2h. Never try to recharge using jump start or booster device if the battery voltage is >8,0V, as this will damage the battery cells permanently and may lead to outgasing, explosion, fire or damage of the vehicles peripherie.

Safety advices

- only use in vehicles, approved by your dealer or us as a manufacturer (see website)
- do not open, modify or change the product in any way
- do not heat or incinerate the product since this may cause in explosion or fire
- do not short circuit or reverse the battery poles and make sure to cover if not in use
- do not immerse in any liquid or apply water with pressure >1bar (car wash)
- respect charging instructions and charge only with our appropriate device (LB100I)

Warranty

The product is only to be used like described above and treated with care.

Warranty claims expire in case of inappropriate storage or usage, as well as errors and damages caused by third party intervention.

In case of power loss or damage related to inappropriate charging devices, the warranty claim will be refused as well.

Detailed legal information on: www.en.liteblox.de/general-terms-and-conditions/