

Instruction Manual

LITE $\frac{1}{2}$ BLOX batteries (GEN4)



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 LITE $\frac{1}{2}$ BLOX battery and showing trust in our young company. To make sure that you receive an immaculate product with high durability, each single LITE $\frac{1}{2}$ BLOX battery is carefully assembled by hand in our manufactory and subjected to extended visual and technical tests before shipping.

Each LITE $\frac{1}{2}$ BLOX battery comes fully charged and is „ready for to go“.

Scope of delivery

LITE $\frac{1}{2}$ BLOX battery / protective caps / mounting material / promotion package

Intended use

Our LITE $\frac{1}{2}$ BLOX GEN4 battery models (LB13XX / LB19XX / LB26XX) are exclusively made to start automotive combustion engines with charging via alternator (13,8-15,2V) 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 integrated bracket, using delivered mounting 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 on top).

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

Make sure, to mount 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 7Nm 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 carbon fiber housing and should therefore be shielded carefully.

Our LITE $\frac{1}{2}$ BLOX batteries are most widely maintenance free, but should be checked regularly for proper fixture, save wiring and optimal state of charge (via Smartphone-App*).

customer service:

WeightWorks GmbH / Robert-Bosch-Str. 18 / D-78467 Konstanz
+49 (0) 7533 9929000 / info@liteblox.de / www.liteblox.de

Usage

Usage under conditions deviating from the product label can result in highly reduced life cycle and may lead to corrosive injuries, fire, damage or permanent peripheral failures. The lifespan of your LITE $\frac{1}{2}$ BLOX battery can be optimized if operated within our recommendations for intended use and storage:

- Operating Voltage: 13,8 - 15,2V (check alternator voltage before using)
- Operating Temperature: 0 - 40°C (shield from hot components)
- Storage Temperature: 10 - 20°C (take out of vehicle for storage during winter)
- Storage Capacity: 40 - 80% (discharge before storage)

Our LITE $\frac{1}{2}$ BLOX GEN4 is equipped with an intelligent power-electronics as a link to the vehicle peripherals, which reports critical states by an acoustic alarm signal (~80dB) and disconnects the product permanently on any state of overload oder misuse (for ex. short-circuit or overcharge). In this case, please make sure to errase any source of malfunction permanently before reactivating the LITE $\frac{1}{2}$ BLOX again via Smartphone-App and contact our customer service for further advices on any uncertenties.

Never try to jump-start your LITEBLOX at any time - while this is not needed anyway!
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-App via the integrated wireless-interface for surveillance, diagnostics and remote maintenance by our customer service - the app will also inform you about specific error codes*

*** additional information in our document "error analysis" - for download (s. below)*

Safety advices

- only use in vehicles, approved by retailer or manufacturer - list for download (see below)
- 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/