

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 is carefully assembled by hand in our manufactory and subjected to visual and technical tests before shipping.

Each battery comes fully charged and is „ready for to go“.

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.

## Scope of delivery

LITEBLOX battery / pair of terminals (SAE to M6) / mounting (2x screws M8; 2x washers M8; 2x screws M6)

## Intended use

LITEBLOX batteries are exclusively made to start combustion engines and should not be used for any other purposes.

## Installation (only by qualified personnel)

1. Check battery for visual damages before first use.
2. Install battery with the bracket, using delivered mounting material (max 10Nm)
3. Connect to the vehicle electronics, using delivered mounting material (max 7Nm)

## Advices

Connect first positive (+), then negative pole (-) to the vehicle electronics; reverse order during disassembly (when using the SAE terminals the large diameter is to be installed on the positive pole).

Make sure, to install the pole clamps over the SAE terminals without using any additional force.

Connections are to be shielded carefully against surroundings (we offer optional pole covers in our online shop), vibrations and fraying. (if you use wires  $>20\text{mm}^2$  you need to install an additional strain relief).

Current-carrying parts should never get in contact with the battery housing and should therefore be shielded carefully.

## Usage

The life cycle of the LITEBLOX can be optimized if operated within our recommendations for temperature range, voltage and intended use (usage under different conditions can result in highly reduced life cycle duration):

- Operating Voltage: 12,4 - 14,6V (check at alternator before using)
- Operating Temperature: 0 - 40°C (shield from hot components)
- Storage Temperature: 15 - 20°C (take out of vehicle when storing during winter)
- Storage Capacity: 40 - 60% (discharge before storage)

## Advices

Never deepcharge (<8,0V) or overcharge (>14,6V) your LITEBLOX battery at any time. Our electronics is equipped with an intelligent monitoring system to protect the cells, which reports critical states (discharge <12,4V / overcharge >14,6V) by an alarm signal (stroke every 40 / 10 seconds).

In this case recharge the LITEBLOX in time, using our battery charger Nova-100IS, or return to us for service immediately.

When using the Charger, make shure to disconnect your vehicle while charging (remove minus pole / use break switch).

Never try to recharge using a booster cable or booster device, as this might harm or damage the cells permanently.

## Warranty

The product is only to be used for the intended use mentioned above and to be treated with care.

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

Our charging electronics is saving the measured voltage peak values (min./max.) over the operating life. If the product is returned as a warranty case and we detect prior usage beyond the operation range mentioned above, the warranty claim will be refused and the customer held liable for the related service.

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

## Safety advices

- do not disassemble
- do not short-circuit
- do not heat or incinerate
- do not crush the housing
- do not immerse in any liquid
- respect charging instructions
- charge by appropriate device