



The best of two technologies

Upgrade your lead-acid battery to a lithium hybrid system

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The LE300 Smart Battery System is a lithium extension for any 12 V lead-acid battery, whether AGM, GEL, or wet cell.

12V

Nominal 28 Ah

Usable 25 Ah

Usable 322 Wh

3,4 kg

Modular systems

The intelligent battery system shows its true strength when several LE300 modules are combined. The increased capacity changes the possibilities of traveling to undiscovered places and enables more independence and freedom than ever before. Multiple LE300s are easy to connect to each other. Even though life and needs may change, more modules can be added in the future.



Modularly Expandable:
Up to 24 LE300 in parallel.

Plug & Play

The lithium extension battery LE300 can simply be connected to the plus and minus pole of the existing 12 V lead-acid battery. No charging technology needs to be changed.

True plug and play is more than just quick and easy hook-up. The LE300 automatically detects the lead-acid battery and unlocks when everything is connected correctly. The LE300 does not require any complicated settings or endless menus for operation. On top of that, the LE300 has a lot more features to offer than just a simple installation.

Extra power

LE300

Lead acid battery

Lithium battery charged to 100%

Lead acid battery charged to 100%

Extend the life of lead-acid batteries.

The integrated battery management system BOS LE300 is responsible for protecting and balancing lithium cells while monitoring lead-acid battery.

Additionally, it replaces the discharge of lead-acid batteries, keeping them constantly at the highest possible voltage. This leverages the ability of lithium batteries to deliver current without compromising their voltage.

BOS LE300 modules are designed to manage discharge and recharge based on the voltage readings of the connected lead-acid batteries, thus preserving their longevity over time.

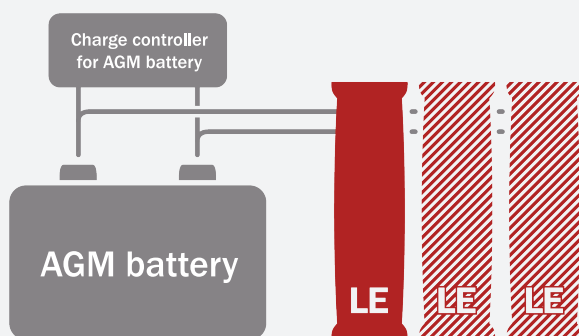


Safety

The LiFePO4 high-performance lithium cells are rated among the safest in the industry and are fully tested by engineers before installation. Protected by a range of safety mechanisms such as overcurrent, overvoltage, short circuit, deep discharge, and wrong polarity protection.



Installation



Protected against:

- Overcurrent
- Overvoltage
- Short circuit
- Deep discharge
- Polarity reversal

