



Technical manual

ELERIX EX-L12V100R

High Energy LFP Front Terminal 12V Battery
12.8V / 100Ah / 1C



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EX-L12V100R

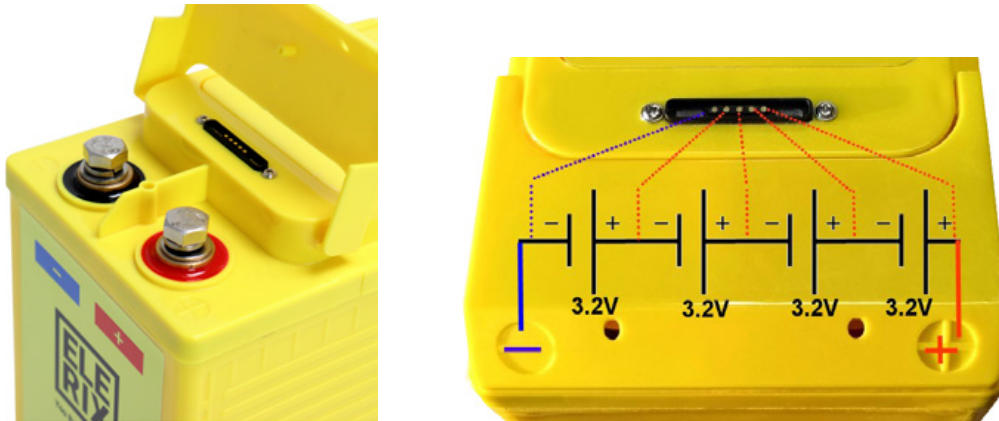
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Service Connector Application Notes

The EX-L12V100R Service Connector is a **magnetic 5-pin connector** that allows direct access to the individual cells of the 12V battery.



The wiring of the connector

The function of the connector is following

- ▶ Measure the voltage of the individual cells.
- ▶ Allow monitoring and connection of the BMS
- ▶ Connect auxiliary devices to charge or balance individual cells
- ▶ Integrate the battery into a large solution with direct access single cells.

MAXIMAL CONNECTOR CURRENT LOAD: 2 AMPS



WARNING

the maximal continuous load of the connector is 2 Amps.

If you wish to use the magnetic connector to charge or balance individual cells, the current passed through the connector may not exceed 2 Amps.

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SHORT-CIRCUIT WARNING



WARNING

the individual output pins are directly connected to the individual cells. There are no fuses, nor any other protection.

You must avoid any short circuit by accidental connection of the pins or by improper wiring on the opposite part of the connector.

Do not try to disassemble the service connector by removing the screws.

Safety recommendation: if not used, please cover the service connector by a self-sticking tape or any other adhesive cover. This way you can prevent accidental touching of the pins by some metal objects put on the upper side of the battery.



Warning - no parallel connection

Never connect individual 12V batteries in parallel by means of the service connector. The service connector is not designed to transfer large currents for a parallel connection of the batteries.

Limited Warranty

There is no warranty for the whole battery if there is a user damage to the service connector or if there was a short circuit or abuse from over-current on the terminals of the service connector.

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