



Installation and Operating Instructions

LiON Splitter

LiON Splitter with 3-way charging plug for use at charging stations by ONgineer GmbH

Note



Read and retain the operating instructions carefully before use!
Failure to follow the safety instructions and guidelines can result in electric shock, fire, and/or serious injury.

Ensure the operating instructions are passed on to the next user in the event of a transfer!

1. Manufacturer

ONgineer GmbH · Hindenburgring 9a · 32339 Espelkamp, Germany · www.ONgineer.de

2. Introduction

This installation manual is part of the delivery. Please read this manual carefully before installation and keep it for future reference. This document contains important information on proper connection, operation, and maintenance.

If you have any questions, please contact the manufacturer. This installation manual is also available at www.ONgineer.de.

The manufacturer is not liable for any damages caused by:

- Incorrect installation or operation
- Modifications to the product
- Damage to the product
- Use outside the scope of this installation manual

Follow the safety instructions!

3. Safety Instructions



The operator is responsible for proper installation, operation, and maintenance.
If visible damage is present, the product must be taken out of service immediately to avoid hazards.

4. Proper Use and Installation

Warning: Operation is only permitted in conjunction with a LiON charging station from ONgineer GmbH. Only connect one battery per LiON Splitter! The LiON Splitter provides three different charging plugs for 36V battery systems. When used with the ONgineer charging station, a correctly connected battery is automatically detected and the charging process begins independently. Compatibility may vary depending on the model.

The splitter should be protected from direct precipitation and prolonged sunlight exposure.

The LiON Splitter should not be used in the following conditions:

- In permanently wet environments
- Near easily flammable materials
- In explosive hazard areas
- Near aggressive fumes
- In locations with constant vibration
- In locations with prolonged sunlight exposure

Preferably operate the LiON Splitter in a protected outdoor area!

The LiON Splitter's function and lifespan can be adversely affected by improper operating conditions.

5. Connecting and Disconnecting the Splitter

To connect the LiON Splitter, insert the splitter into the appropriate socket of the ONgineer charging station. When inserting, ensure that the black locking pin engages in the designated notch of the socket. A clearly audible „click“ confirms the correct locking of the plug. The LiON Splitter is now secured against unauthorized removal and is ready for operation.



Removal is not possible without tools.

You will need a release tool, such as a screwdriver. Insert the screwdriver into the side opening of the plug. While applying gentle pull on the plug housing, press with the screwdriver to release it. After correctly removing the plug, the black locking pin remains in the socket housing of the ONgineer charging station, ensuring re-locking when the plug is reinserted. If another plug with a locking pin is to be inserted, the existing pin must first be removed using a screwdriver.

LED Indicator on the LiON Splitter

| LED-Codes | Green | Red | Red and Green |
|-------------|--|---------------------|------------------|
| Information | Ready to charge / Battery is fully charged | Battery is charging | Error indication |

6. Technical Data

| | | |
|--------------------------|--------|-------------|
| Maximum Charging Current | [A] | 4 |
| System Charging Voltage | [V DC] | 36 |
| Ambient Temperature | [°C] | -25 ... +40 |
| Operating Temperature | [°C] | -5 ... +40 |

7. Cleaning



Warning!

Incorrect cleaning agents can damage the LiON Splitter. Plugs should only be cleaned with a soft and dry cloth.

8. Maintenance

Before each use, check that all cables and plugs are undamaged. Keep the plugs free from coarse dirt and prolonged moisture. Use only soft and dry cloths for cleaning. Avoid using any cleaning agents, as they can impair the function of the LiON Splitter. To maintain functionality, regularly treat the plugs with a contact care product.

9. Troubleshooting

- The battery is not charging. → → → Disconnect the ONgineer charging station from the power supply for at least 10 seconds.
- The battery is not charging. → → → Check that the charging plug is securely connected.
- The battery is not charging. → → → Check compatibility.

10. Scope of Delivery

1. LiON Splitter
2. Installation and Operating Instructions
3. Locking Tab (pre-installed)

11. Warranty

Private Customers: This product comes with a statutory warranty.

Commercial Customers: This product comes with a 6-month warranty.

The warranty and guarantee are valid throughout the EU.

In case of a defect, please contact the manufacturer (ONgineer GmbH) directly. To claim the warranty, please submit a copy of the invoice and provide a brief description of the defect.

12. Disposal



The packaging material should be disposed of in accordance with local regulations.

If the product is to be permanently taken out of service, please consult your local recycling center for disposal regulations.

13. Declaration of Conformity



Information on the EU Declaration of Conformity can be found in our download section at www.ONgineer.de