## About the product

The LOXONE Wallbox is a charging station which enables dynamic three-phase charging from 4.1 kW to 11 kW for electric vehicles. With the robust Tree interface, the device is integrated into the LOXONE system and provides all the freedom for energy management. A LOXONE Energy Meter 3-Phase Tree is built into the device ex works and is MID compliant, so the charged energy is recorded from the first charge – nothing to mount, nothing to wire.

Optionally, products like the NFC Code Touch, Touch Pure Flex, ... can be connected directly to set the charging mode or execute any other control.

## Features

- Dynamic three-phase charging from 4.1 to 11 kW
- Knows your car: reads how much energy it needs and starts charging by itself (ISO 15118)*
- Automatic PV surplus charging with 100 % solar power
- Integrated load management for multiple wallboxes
- Meets EN ISO 15118-2 and EN ISO 15118-20

* Requires a vehicle that supports ISO 15118.

## Electrical Specifications

### AC Input (Mains)

| | |
|---|---|
| **Rated Voltage** | 230/400 V |
| **Rated Current** | 16 A |

A 30 mA type A RCD must be connected before each wallbox.

### 24 V DC Input

| | |
|---|---|
| **Rated Voltage** | 24 V |
| **Current Consumption** | 30/50 mA |

### Energy Meter 3-Phase Tree (100567)

| | |
|---|---|
| **Measurement Accuracy** | MID / Class B EN50470 / Class 1<br>IEC62053 / Class 0.5 ANSI C12.1 |

### Charging

| | |
|---|---|
| **Charging Power*** | 4.1–11 kW (3-phase) / 1.38–3.7 kW (1-phase) |
| **Charging Current** | 6–16 A, configurable |
| **Phase Switching** | Not supported |
| **Charging Mode** | Mode 3 (IEC 61851-1) |
| **Residual Current Detection** | Internal, RDC-MD, DC 6 mA, (IEC 62955) |
| **Charging Cable with Plug** | Type 2 plug (IEC 62196)<br>Connection case C (permanently attached)<br>5.38 m cable<br>5 x 2.5 mm² + 1 x 0.5 mm² |

*At 230 V per phase (400 V 3-phase), power factor 1. Actual charging power depends on grid voltage and the vehicle's on-board charger.

The charging cable may only be replaced with the original LOXONE replacement part. Other cable types or lengths must not be used.

### Interfaces

| | |
|---|---|
| **LOXONE Tree** | connection with Miniserver / Tree Extension |
| **OCPP** | 1.6 & 2.0.1, NFC Code Touch required |

### Ambient Conditions

| | |
|---|---|
| **Temperature** | -20 ... 50 °C / -4 ... 122 °F |
| **Humidity** | max. 95 % RH (non-condensing) |
| **Ingress Protection** | IP44 (IEC 60529) |
| **Impact Protection** | IK08 (IEC 62262) |
| **Altitude** | max. 2 000 m |
| **Installation** | Stationary, surface mount, vertical on wall or charging post |
| **Recommended mounting height** | Cable outlet: 132 cm / 52"<br>Top edge: 165 cm / 65" |

### Safety Instructions

Installation must be carried out by a qualified electrician in accordance with the applicable regulations.

For more information about this product, visit **loxone.com/help/wallbox-16a-tree**

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For additional information, declaration of conformity, visit **www.loxone.com/datasheets**

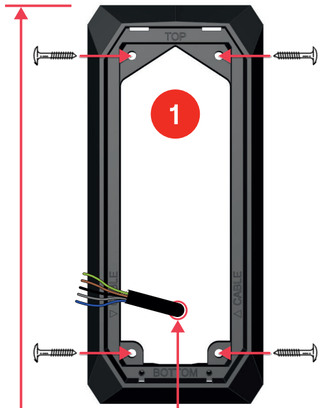
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Need Help?
**loxone.com/support**

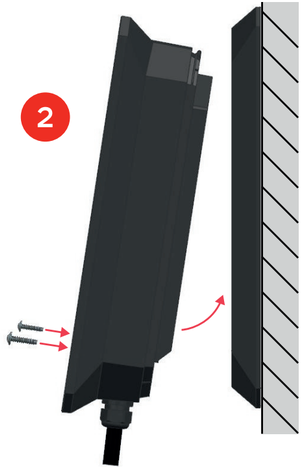
# Wallbox 11kW 16A Tree

Part No.: 100967

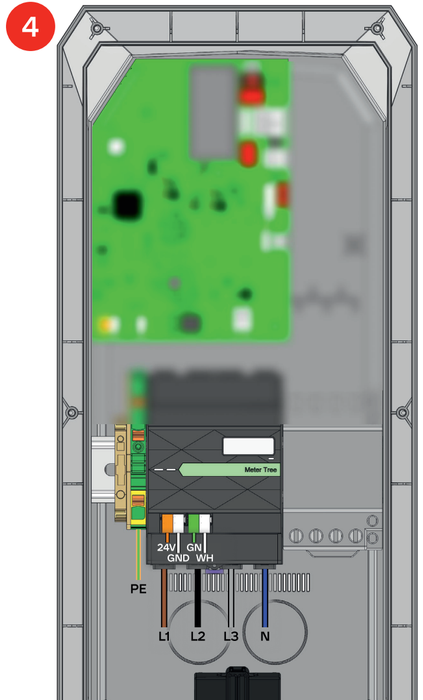
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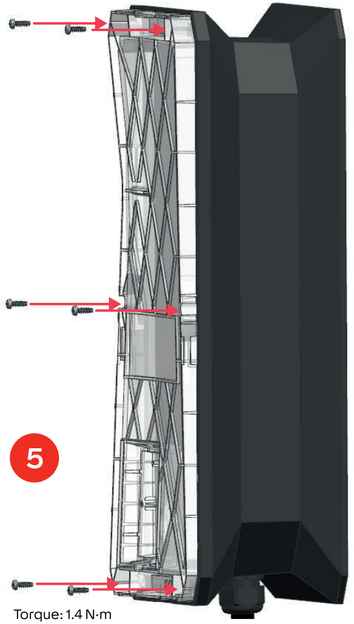



For supply cables mounted on the surface, please refer to the online documentation.




Torque: 2 N·m
/ 1.48 lb·ft




Torque: 1.4 N·m
/ 1.03 lb·ft




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