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 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) Connection case C (permanently attached) 5.38 m cable 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" 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

Loxone Electronics GmbH
Smart Home 1
4154 Kollerschlag
Austria

Loxone UK
The Forum
Station Road
Theale, RG7 4RA
United Kingdom

Loxone US
3060 Plaza Drive
Suite 105
Garnet Valley, PA 19060
United States

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

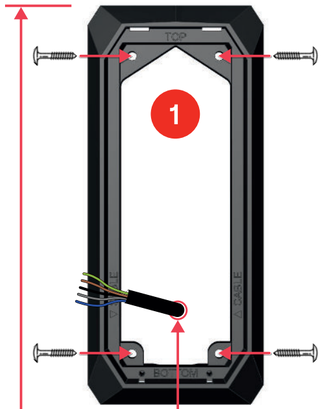
V141026

Need Help?
loxone.com/support

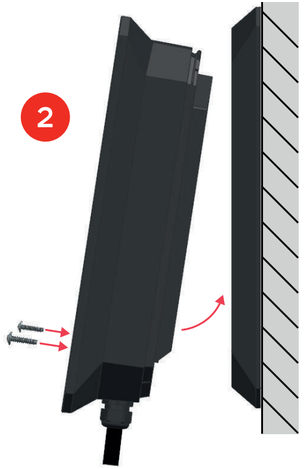
Wallbox 11kW 16A Tree

Part No.: 100967

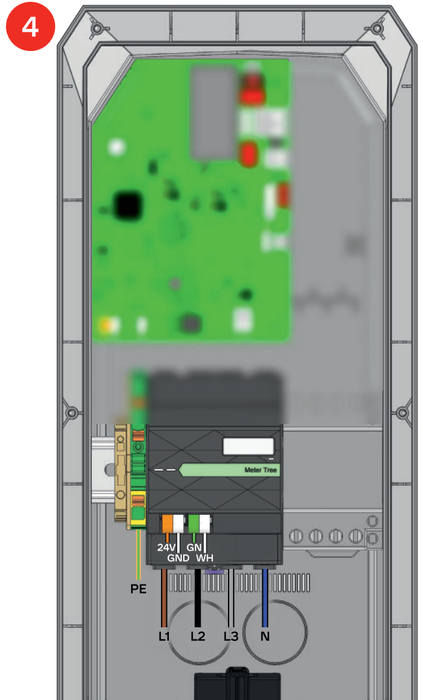
LOXONE

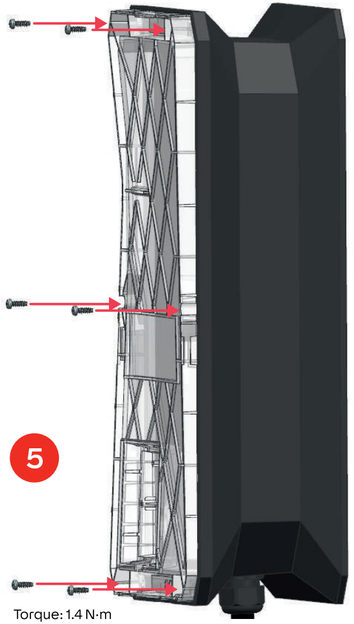


For supply cables mounted on the surface, please refer to the online documentation.



Torque: 2 N·m
/ 1.48 lb·ft





Torque: 1.4 N·m
/ 1.03 lb·ft



Click