

About the product

The Loxone Wallbox is a charging station which enables dynamic charging from 1.38kW to 11kW for electric vehicles. With the robust Air interface, the device is integrated into the Loxone system and provides all the freedom for energy management. To record the electrical energy, an energy meter can be easily mounted on the integrated DIN-rail and connected to the Modbus interface in the device. Optionally, products like the NFC Code Touch, Touch Pure Flex,... can be mounted directly on the device to set your charging mode or execute any other control.

Ambient conditions

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|------------------------------------|---|
| Ambient temperature | -20...50°C / -4...122°F |
| Ambient humidity | max. 95% r.H. (non condensing) |
| Degree of Protection | IP44 (IEC 60529) IK08 (IEC 62262) |
| Installation | Stationary, surface mount, vertical on wall or charging post |
| Recommended mounting height | Cable outlet: 132cm / 52" Top edge: 165cm / 65" |
| Altitude | max. 2000m |

Electrical Data

| Supply and Power | AC Input (mains) | 24V DC Output |
|--------------------------|---------------------------------|---------------|
| Rated voltage | 3x 230/400V or 1x 230V, 50-60Hz | 24V DC |
| Rated current | 3x 16A or 1x 16A | max. 100mA |
| Power consumption | Standby: 0.6W, charging: 4W | - |

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

Charging

| | |
|-----------------------------------|--|
| Max. charging power | 11kW (3 phase 16A) / 3.7kW (1 phase 16A) configurable from 1.38kW to 3.7/11kW |
| Charging Mode | Mode 3 (IEC 61851-1) |
| Residual current detection | Internal, RDC-MD, DC 6mA, (IEC 62955) |
| Charging cable with plug | Type 2 plug (IEC 62196) 5 meter cable, 5x2.5mm ² + 1x0.5mm ² |

Interfaces

| | |
|--|--|
| Loxone Air | connection with Miniserver / Air Base Extension 868MHz (SRD Band Europe), 4 channels, max. 15.1mW e.r.p. 915MHz (ISM Band Region 2), 10 channels, max. 13.2mW Internal antenna |
| Modbus RTU for connecting Energy meters | max. 1 device, max. 0,5m wire length, adjustable baud rate & parity data types: 16 & 32 bit, min. polling cycle: 5s |
| Loxone Tree | Prepared for connecting Tree devices, available via firmware update in 2024 |

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



For more information about this product, visit loxone.com/help/wallbox-air

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

V120523

Need Help?
loxone.com/support



Wallbox 11kW 16A Air

Part No.: 100527

LOXONE

