

PCE

Connection
to the future



EV11.3 WALLBOX

eMobility Charging infrastructure

MADE IN AUSTRIA

The communicative **EV11.3 WALLBOX**

Phase switching via Modbus TCP



The charging power of the **EV11.3 WALLBOX**, which can be controlled via Modbus TCP, including phase switching, ensures a wide power range (controllable by various building and load management systems).

In addition to the adjustable charging current limitation, an external digital enable input and internal temperature monitoring, the charging station can also be equipped with a MID-compliant meter.

EV11.3 WALLBOX

Charging station with Type 2 charging coupler

Current type AC 3-phase (AC single phase)

Charging power adjustable up to 11 kW

Charging mode 3

Dimensions (HxWxD): 395x262x126 mm

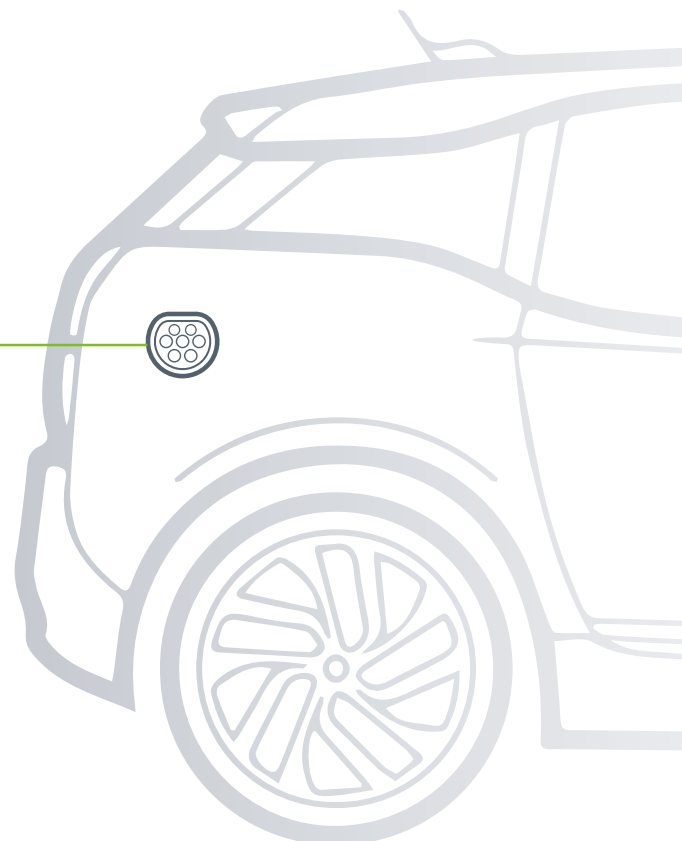
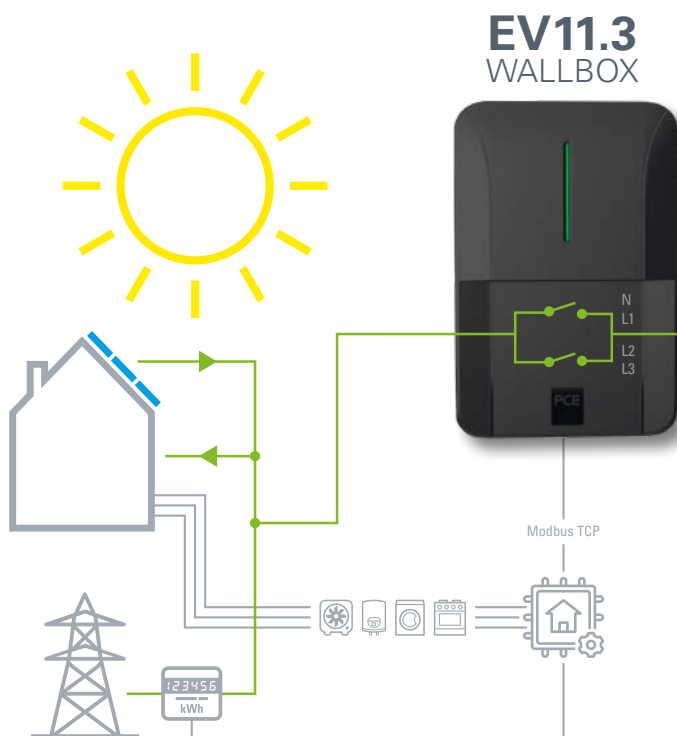


Modbus TCP protocol

Modbus is a simple, open standard communication protocol that can be used to realise master-slave or client-server communication between the devices connected to the network.

The **EV11.3 WALLBOX** can therefore be controlled via the Modbus TCP protocol with a higher-level control system (e.g.: home control system incl. current measurement) in the network and optimally regulates the available power to the vehicle (load management). At low power, the wall-box charges single-phase, at higher power it automatically switches to 3-phase.

- **weatherproof, robust housing** (IP54)
suitable for outdoor use
- **up to 11kW charging power**
- **charging cable 5m**
charging coupler Type 2 with protection cap
- **phase switching via modbus TCP**
- **integrated DC fault current sensor**
- **external digital enable input**
- **internal temperature monitoring**
- **LED indicator**
- **energy meter MID compliant**
(optional)



EV11.3 WALLBOX



Simple handling

The **EV11.3 WALLBOX** guarantees uncomplicated and safe charging of electric vehicles in private areas and company car parks. The charging process starts automatically when the electric vehicle is plugged in (no authorisation required). Plug in - charge - done! Sounds simple - and it is! The clearly visible LED status display provides reliable information on all statuses.

BEREIT | READY

LADEN | CHARGE

FEHLER | FAULT



High safety

The **EV11.3 WALLBOX** focusses on high safety and complies with the IEC 61439-7 and EN 61851-1 standards. With built-in DC residual current detection (6mA), installation by a qualified electrician is also very easy in existing electrical systems. An RCD type A is required for professional connection* of the charging station (no RCD type B required).

*observe local connection conditions!



Robust housing

All electronic components are housed in a robust, weatherproof plastic housing (IP54). This means that the **EV11.3 WALLBOX** is also ideally suited for outdoor installation. Thanks to the modern design of the front panel, its dimensions remain extremely compact.



Charging power

The charging power is 4.1 kW to 11 kW (3-phase) or 1.4 kW to 3.7 kW (1-phase).





Type 2 charging cable

- 5m charging cable with ergonomic plug (charging coupling) Type 2 incl. rubber protective cap.
- Thanks to the functional shape of the housing, the permanently connected charging cable can be hung directly over the **EV11.3 WALLBOX**. This means that the cable is quickly and conveniently stowed away, ready for immediate use and a separate cable suspension is not required. An integrated plug holder ensures safe storage of the plug.



External connectivity

- External digital enable input (e.g. network operator, key switch, timer,...) and parallel TCP communication possible. Alternatively, this input can be used as a PWM input (target power specification).
- Output for "Charging process active" (potential-free contact)
- Digital input (S₀ bus) for electricity meters to record the charging energy and subsequently read it out via Modbus TCP.
- External charging limit (8A)



Temperature monitoring

The integrated temperature monitoring in the interior of the **EV11.3 WALLBOX** protects the charging station by automatically reducing the power if the temperature rises.



DIP Switch

The maximum charging current can be set in several fixed steps from 6A to 16A via a DIP switch.



MID energy meter

The optionally integrated MID-compliant meter for recording the total energy charged can be easily read from the side through a viewing window. The meter can also be read per charging process via Modbus TCP.



Pillar for **EV11.3 WALLBOX**

In addition to wall mounting, the anodised aluminium pillar, which is available as an accessory, can also be installed outdoors.

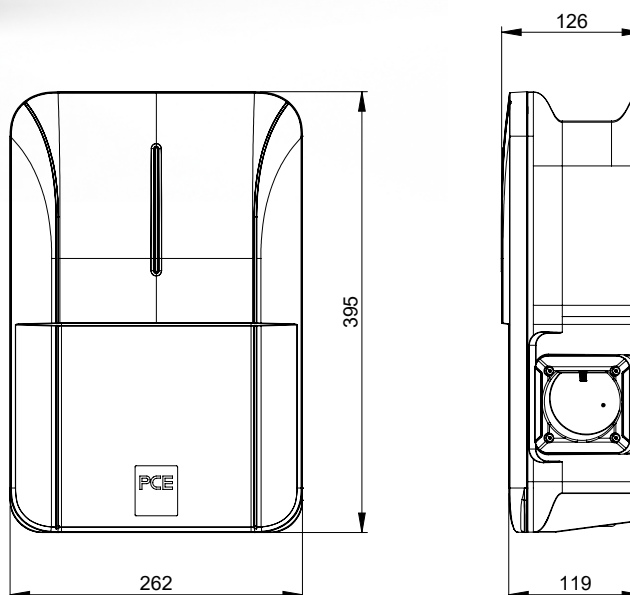
Standard surface natural anodised aluminum (RAL colours on request)

HxWxD: 1400 x 180 x 100 mm

Cat.No. 61407803



EV11.3 WALLBOX
Dimensions:



Technical data



Product type	EV11.3 WALLBOX
Cat.No.	37031110-ss 37031111-ss (with meter)
Conformity to standards	IEC 61439-7; EN 61851-1
Charging coupling	Type 2
Charge mode	Mode 3, Case C (with charging coupling)
Number of charging units	1
Charging power	max. 11 kW (3-phase) or 3,7 kW (1-phase)
Number of phases	1-phase or 3-phase
Type of charging current	AC
Rated current I_N	16A
Rated voltage U_N	230V / 400V
Rated frequency f_N	50 Hz
Mains system	TN / TT / IT
Standby power	<2 W
Protection class	II
Overvoltage category	III
EMC classification	B
Ambient temperature operation	-25°C to +40°C
Ambient temperature storage	-35°C to +55°C
Degree of protection	IP54
Impact strength	IK08
DC fault current detection	6mA RCM module
Housing material / color	ABS / black (similar to RAL9005),
Cable gland (supply)	M25 (cable diameter 8–17 mm)
Charging cable length / cross section	5m / 5G2,5mm ² + 1x0,5mm ²
Cable cross section (supply)	up to 5G10mm ² (without end sleeves) / up to 5G6mm ² (with end sleeves)
Interfaces	Modbus TCP
Input	Key switch (digital), PWM, S ₀ bus (limitation 8A charging current)
Output	Charging process active (potential-free contact)
Charging status according to EN 61851-1	Charging status C
Altitude above sea level	up to 2000m above sea level
Dimensions/Weight	HxWxD: 395x262x126 mm / 3,6 kg (4,1kg incl. energy meter)
On-site protection of the supply line (observe local connection conditions!)	
RCD	FI Type A $I_{\Delta N} \leq 30\text{mA}$
Circuit breaker	max. Type B16 or C16

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