

INSTALLATION/OPERATING INSTRUCTIONS WALLBOX

smartEVO 11 | smartEVO 22 | smartEVO PRO 22



Imprint

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1 About these instructions

These installation and operating instructions describe the safe and proper handling for the entire product life cycle of the smartEVO 11, smartEVO 22 and smartEVO PRO 22 wallboxes. These instructions are intended for operators, installers and users of the wallbox. The beginning of each chapter indicates which of the three target groups specific contents are intended for.

These instructions are part of the wallbox.

- ▶ Keep the instructions dry and protected from the weather for the entire working life of the wallbox.
- ▶ Pass the instructions on to any subsequent operator, installer or user.
- ▶ Make the instructions available to maintenance and service personnel at all times.
- ▶ Carefully read the instructions before use and before starting any work.

Depending on the version of the wallbox, there may be some discrepancies between the illustrations used in these instructions. If device-specific information is required, this will be indicated at the appropriate place.

1.1 Associated documents

- EU Declaration of Conformity
- Circuit diagrams
- Test report


1.2 Symbols used

- ▶ Handling instruction.
When multiple steps are required, always follow the given order.
- Bulleted list, 1st level
 - Bulleted list, 2nd level

1.2.1 Structure of warning notices

| | |
|---|--|
|  | SIGNAL WORD Type, source and consequence of hazard ▶ Measures to avoid the hazard. |
|---|--|

1.2.2 Danger levels in warning notices

| Symbol | Warning word | Consequences of non-compliance |
|---|----------------|---|
|  | DANGER | Imminent danger that will result in death or serious injury if not avoided. |
| | WARNING | Possible imminent danger that may result in death or serious injury if not avoided. |
| | CAUTION | Possible imminent danger that may result in minor injury if not avoided. |
| – | CAUTION | Possible imminent danger that may result in property damage if not avoided. |

2 Safety instructions



This chapter is intended for operators, installers and users of the wallbox.

The basic prerequisite for safe working is compliance with all the safety and handling instructions stated in these instructions. Furthermore, the local accident prevention regulations are also applicable.

2.1 Intended use

The wallboxes are designed for private, semi-public and public use.

The wallboxes are designed for charging electric vehicles on the AC three-phase grid and are permanently connected to the three-phase grid. They are used for AC charging according to mode 3 as per IEC 61851-1 (VDE 0122-1). They comply with protection class I (protective earth). The wallboxes are suitable for use both indoors and outdoors. Any use beyond the intended use is considered misuse. The wallboxes are designed for installation on a wall or on the intended base (purchased part). The base is mounted on the earth piece (purchased part) or on a concrete foundation provided by the operator.

According to DIN VDE 61439-7, wallboxes may be operated by electrically instructed persons as well as by non-specialist persons. Installation, initial commissioning, decommissioning and maintenance must be carried out by a qualified electrician. Cleaning, compliance with maintenance intervals and troubleshooting are the responsibility of the operator.

2.1.1 Ambient conditions

No wallboxes may be used other than those which have a protection class matching the protection class required for the site.

When using the wallboxes, the ambient conditions and the chemical resistance of the housing material used (aluminium, stainless steel and sheet steel) must be observed.

The manufacturer accepts no liability for damage or losses due to non-observance of the instructions.

2.2 Requirements for operator, installer and user

2.2.1 Requirements for operating companies

The operator is responsible for the proper and safe use of the wallboxes. Intended use of the wallboxes means complying with the requirements and conditions addressed to the operator in these instructions.

If the wallboxes are operated by non-specialist persons, the operator must ensure that the following requirements are met:

- Keep instructions permanently and provide relevant information for installers and operators.
- Ensure that non-specialist persons have read and understood the information provided in these instructions.
- Instruct non-specialist persons in the operation of the wallboxes before use.
- Ensure that non-specialist persons only use the wallboxes as intended.
- Protect people who cannot assess the risks associated with the wallboxes (e.g. children).
- Ensure that all safety devices are both correctly fitted and also in good condition, and that no live components can be touched.
- Ensure that there are no highly flammable or explosive substances in the vicinity of the wallboxes.
- Ensure that the wallboxes are never submerged in water.
- For installation, commissioning, maintenance, decommissioning and faults, consult a qualified electrician with proven knowledge.
- Comply with the technical connection conditions and safety regulations issued by the local power supply company.
- Observe national accident prevention and safety regulations.

2.2.2 Requirements for installer

- ▶ Read the instructions before working on the wallboxes.
- ▶ Before carrying out any work on the wallboxes, observe the five safety rules defined in accordance with DIN VDE 0105[4]:
 - Unlock
 - Secure against restarting
 - Ensure absence of voltage at all poles
 - Ground and short-circuit
 - Cover or block adjacent live parts

2.2.3 Requirements for operators

- ▶ Read the instructions before using the wallboxes.
- ▶ Check wallboxes for external damage.
- ▶ In case of damage, contact the operator. Stop using the wallboxes.

2.2.4 Supplied documents

In addition to these instructions, the scope of delivery may include additional documents as well as instructions for device components.

- ▶ Supplied documents must be observed.

2.3 Foreseeable misuse

Non-observance of required protection class

Use of wallboxes with a lower protection class than required at the installation site.

- ▶ Only use wallboxes with a protection class that corresponds to the place of use.

Operation without protective devices

Operating the wallboxes without the specified and recommended protective devices.

- ▶ Only operate wallboxes with intact residual current devices.
- ▶ Only operate wallboxes with an intact housing.
- ▶ Do not operate wallboxes with miniature circuit breakers / residual current devices (MCB/RCD type B) downstream from miniature circuit breakers / residual current devices (MCB/RCD type A).

2.4 Residual risks

Risk of injury caused by fire

Covering the wallboxes can cause heat to build up in the housing, which can result in a fire.

- ▶ Ensure that the wallboxes are mounted with free clearance to the side and the front.
- ▶ Do not cover wallboxes with any other objects.
- ▶ Do not place any objects on the wallboxes.

Death or risk of injury from electric shock

If used improperly, there is a risk of death or injury from electric shock.

- ▶ Only operate wallboxes with specified and recommended safety devices.
- ▶ Work with the cover removed may only be carried out by qualified electricians.
- ▶ Pull the connection and charger cables out of the socket only by grasping the plug, not the cables.
- ▶ Do not bend, pinch or run over connection and charger cables.
- ▶ Immediately take wallboxes with defective parts out of operation. Have any loose or defective parts replaced by a qualified electrician.

Risk of injury from falling wallboxes

Risk of injury from wallboxes falling down.

- ▶ Before installation, check the type of attachment and its location to prevent the wallboxes from falling down.
- ▶ When installing with a base, ensure that either a suitable earth piece or a suitable concrete foundation is available.
- ▶ Select the attachment material to suit the weight of the device. Observe the weight information on the nameplate.
- ▶ Do not add any additional weight to the wallboxes.
- ▶ Ensure that no persons can become suspended from the wallboxes.

Material damage caused by condensation

The wallboxes are protected against condensation by thermal management, but moisture can still get inside the wallboxes.

- ▶ Ensure that the wallboxes are not exposed to disproportionately strong sunlight or temperature fluctuations (integrated temperature monitoring in the charge controller reduces the power if necessary to prevent overheating).

3 Product description

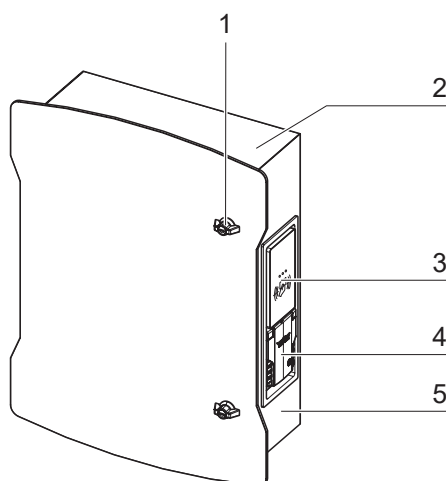


This chapter is intended for operators, installers and users of the wallbox.

The wallbox has a charging point with a charging socket.

The following device overview is an example; the positions of the components may vary according to the equipment.

3.1 Wallbox



1 Housing lock
2 Housing roof

3 RFID card reader with
status LEDs
4 Charging socket

5 Enclosure

4 Equipment

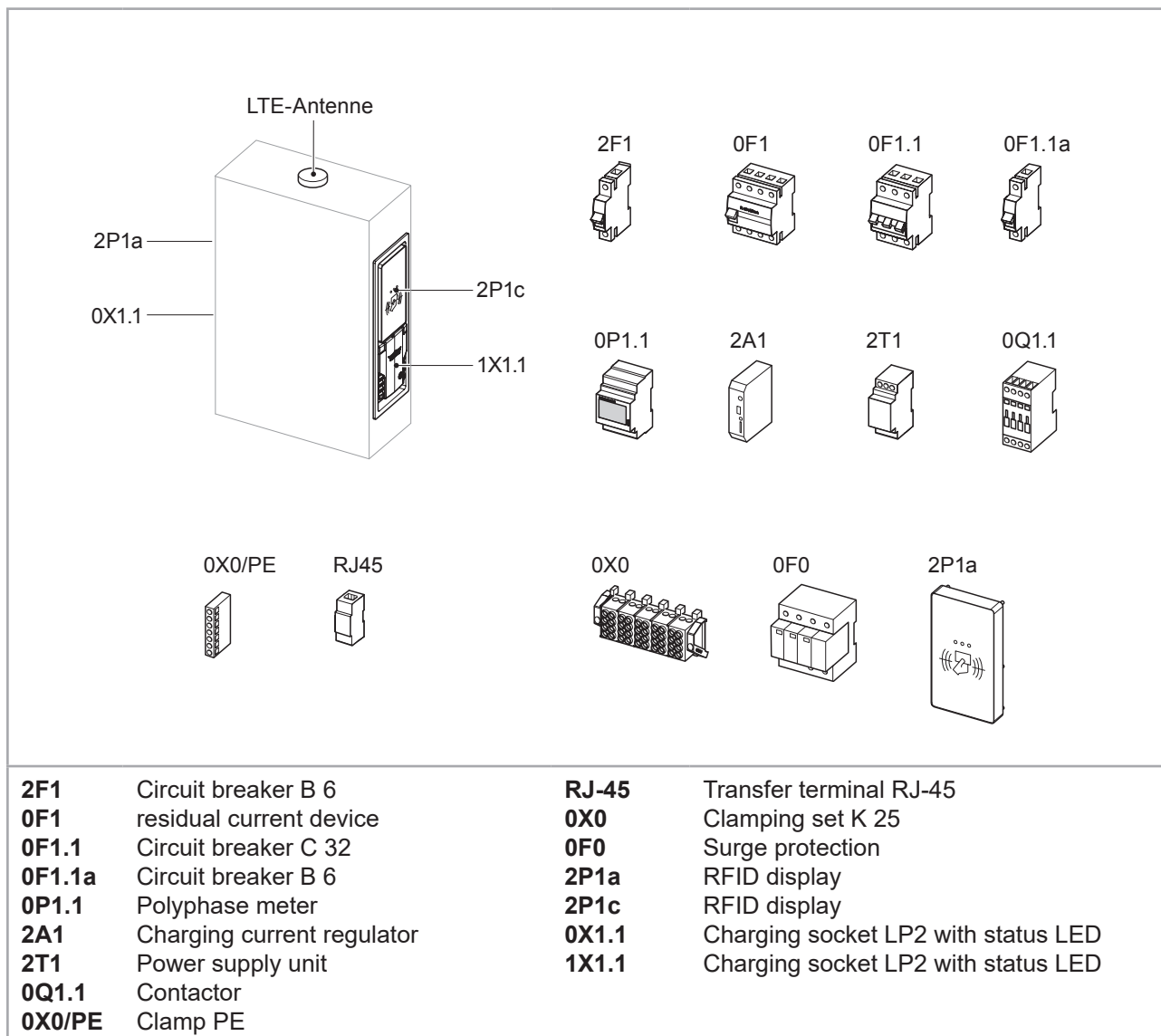


This chapter is intended for operators, installers and users of the wallbox.

4.1 Wallbox components

Depending on the version, the wallbox can contain the following components (the position of the components and the equipment in the wallboxes varies according to the version):


4.1.1 Wallbox equipment overview



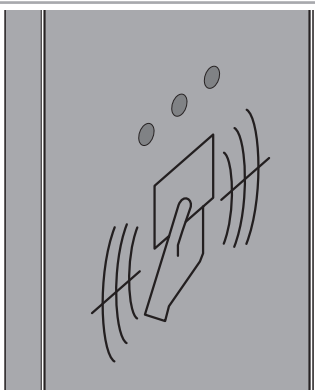
4.2 Controls

Depending on the version, the wallboxes can be operated by:

4.2.1 RFID card reader

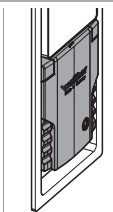
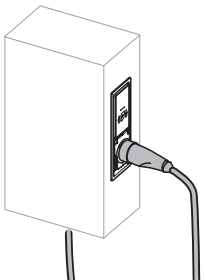
| | |
|---|--|
|  | <p>Function of the RFID card reader</p> <ul style="list-style-type: none"> ▪ Identification and activation via RFID card ▪ Starting and ending charging |
|---|--|

4.2.2 Status LED

| | |
|--|---|
|  | <p>Status LED states</p> <ul style="list-style-type: none"> ▪ Green: <ul style="list-style-type: none"> – illuminated: Charging system is free, no vehicle connected – flashing slowly: Charging system is free, one vehicle connected ▪ Yellow: <ul style="list-style-type: none"> – illuminated: Charging system is reserved, no vehicle connected – flashing slowly: Charging system is reserved, one vehicle connected – flashing rapidly: Charging system exchanging data with backend, waiting for authorisation ▪ Blue: <ul style="list-style-type: none"> – flashing slowly: Charging authorised, vehicle charging – flashing rapidly: Charging authorised, vehicle not yet connected or just disconnected from the charging system |
|--|---|

4.3 Charging cables

Depending on the version, the following charging cable is used:

| | |
|---|---|
|  | <p>Charging socket</p> <ul style="list-style-type: none"> ▪ The charging cable is connected to the charging socket and the vehicle. |
|  | <p>Permanently connected charging cable</p> <ul style="list-style-type: none"> ▪ Permanently connected charging cable (5 m long) is connected to the vehicle. |

4.4 Connection to the mains

| | |
|---|-----------------------------------|
|  | <p>Connection terminal</p> |
|---|-----------------------------------|

5 Installation



This chapter is intended for installers of the wallbox.
Wallboxes may only be installed by a qualified electrician with proven knowledge.

5.1 Transport and installation site

- ▶ Ensure that the wall thickness is sufficient to bear the weight of the wallbox (for the weight of the wallbox, see “14.2 smartEVO PRO 22 (example)” on page 27).
- ▶ Place the wallbox in a location where it is protected from disproportionately strong sunlight (integrated temperature monitoring in the charge controller reduces the power if necessary to prevent overheating).
- ▶ For drilling dimensions, see “14.2 smartEVO PRO 22 (example)” on page 27.
- ▶ Two people are needed to install the wallbox.

5.2 Preparatory work

- ▶ Unpack the wallbox and check it for damage.
- ▶ In the event of any damage to the wallbox, contact the manufacturer or a qualified electrician.
- ▶ Select the anchor plugs and screws according to the ground.
- ▶ Strip the cable to the required length.
- ▶ Select the cable entry for the supply cable into the housing according to the cable cross section.
- ▶ The wallbox can be mounted with a base (optional purchased party) or directly on the wall:
 - Installation preparation for installation with base, see Page 11
 - Installation preparation for wall installation, see Page 12

5.2.1 Preparation for installation with base

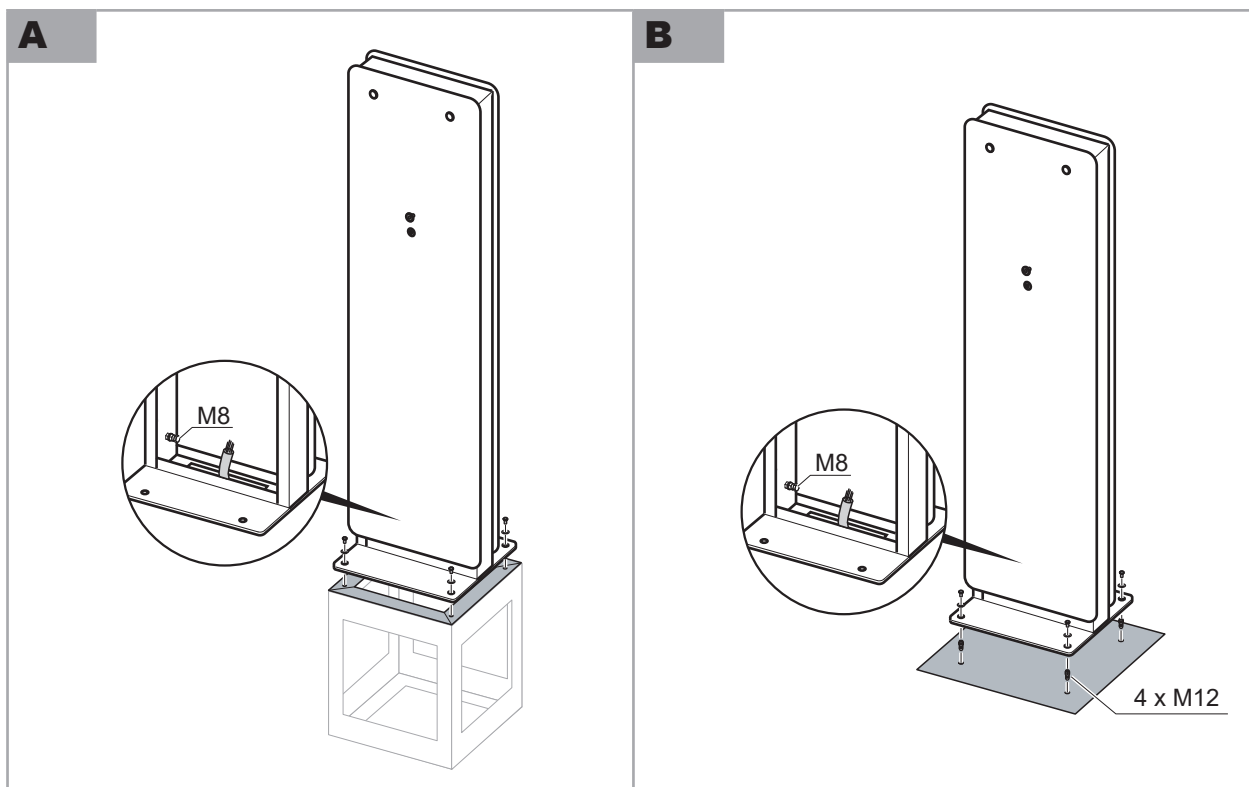


- The base is an optional accessory and can be fitted on one side or both sides, depending on the version.
- The base must be fixed to the ground before the wallbox can be hooked in.
- Potential equalisation is carried out via the M8 hexagon head screw.

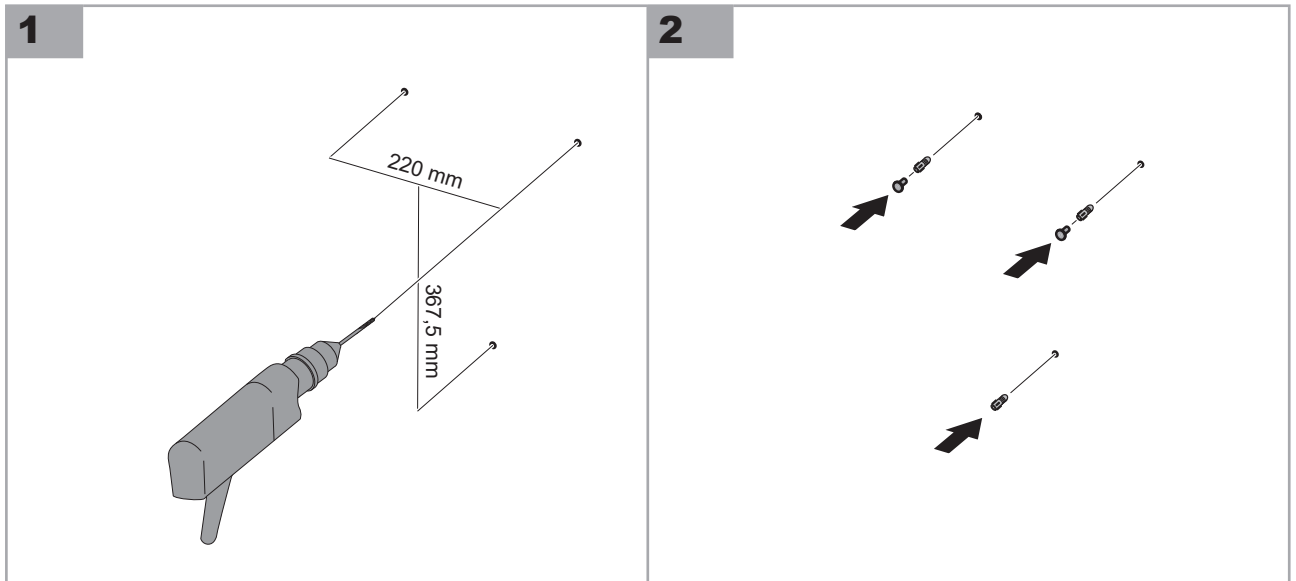
- ▶ There are two ways to attach the base to the ground:

A Installation on the earth piece

B Installation on a concrete foundation



5.2.2 Installation preparation for wall installation



5.3 Installation



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Observe the five safety rules defined according to DIN VDE 0105[4].
- ▶ Ensure that the supply voltage is switched off.
- ▶ Ensure that power supply cable is electrically dead.



CAUTION

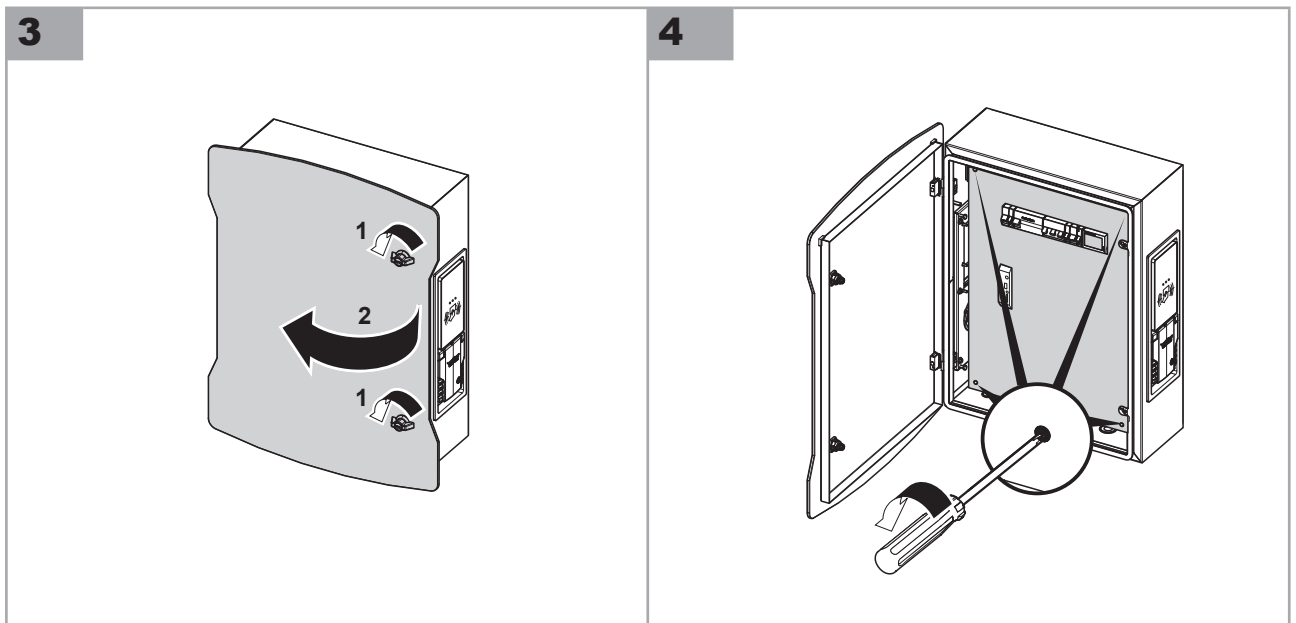
Risk of injury from the wallbox falling down during installation

- ▶ Install the wallbox with at least two people.

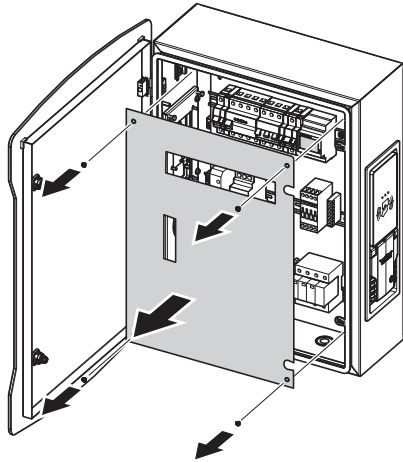


Illustration example for all equipment variants.

5.3.1 Opening the wallbox

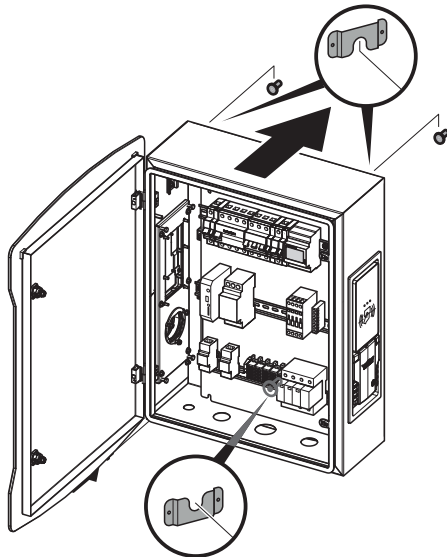


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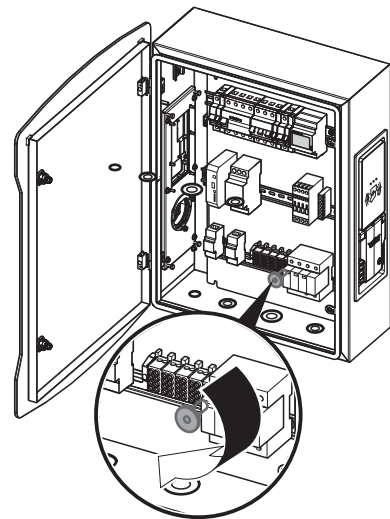


5.3.2 Installing the wallbox

6

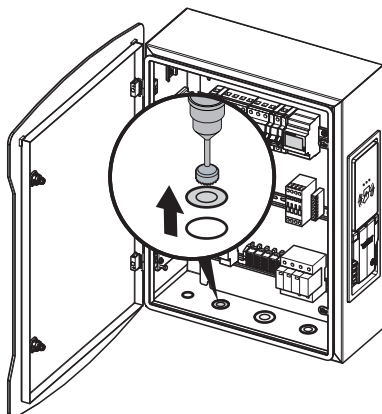


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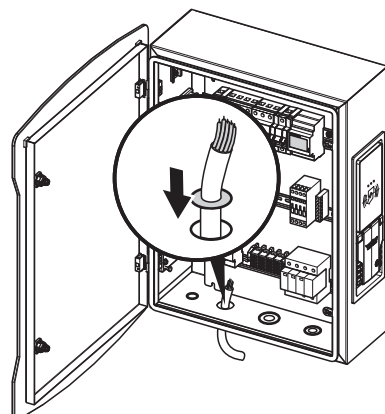


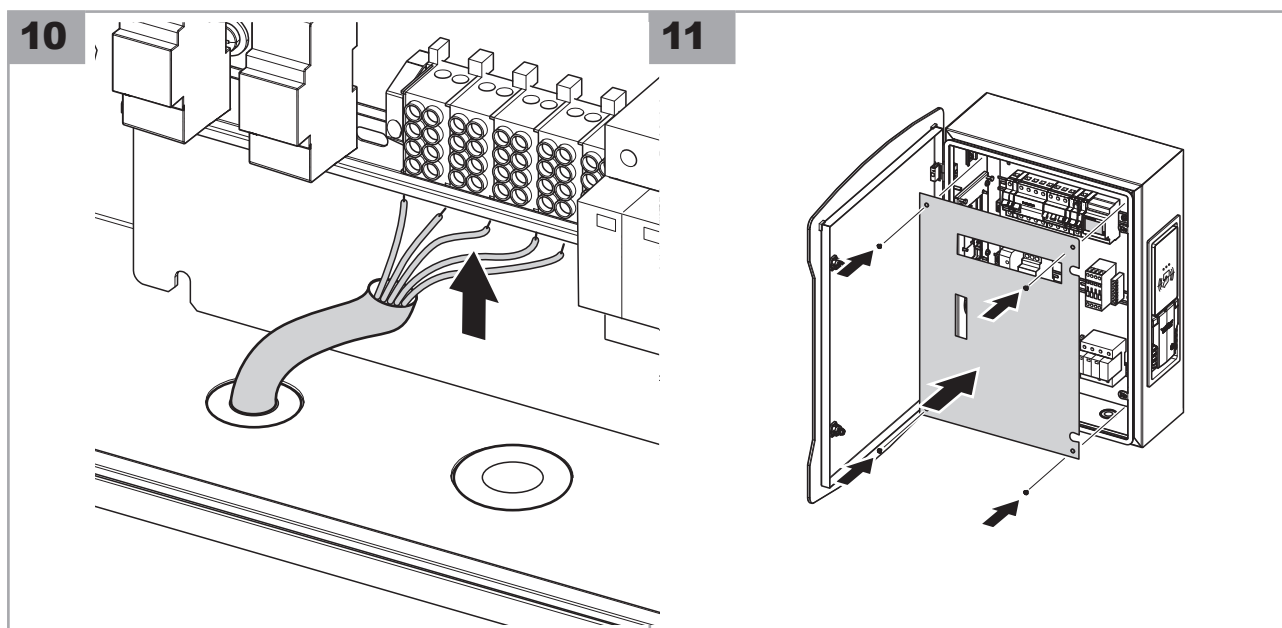
* Either hang in base or directly on the wall

8

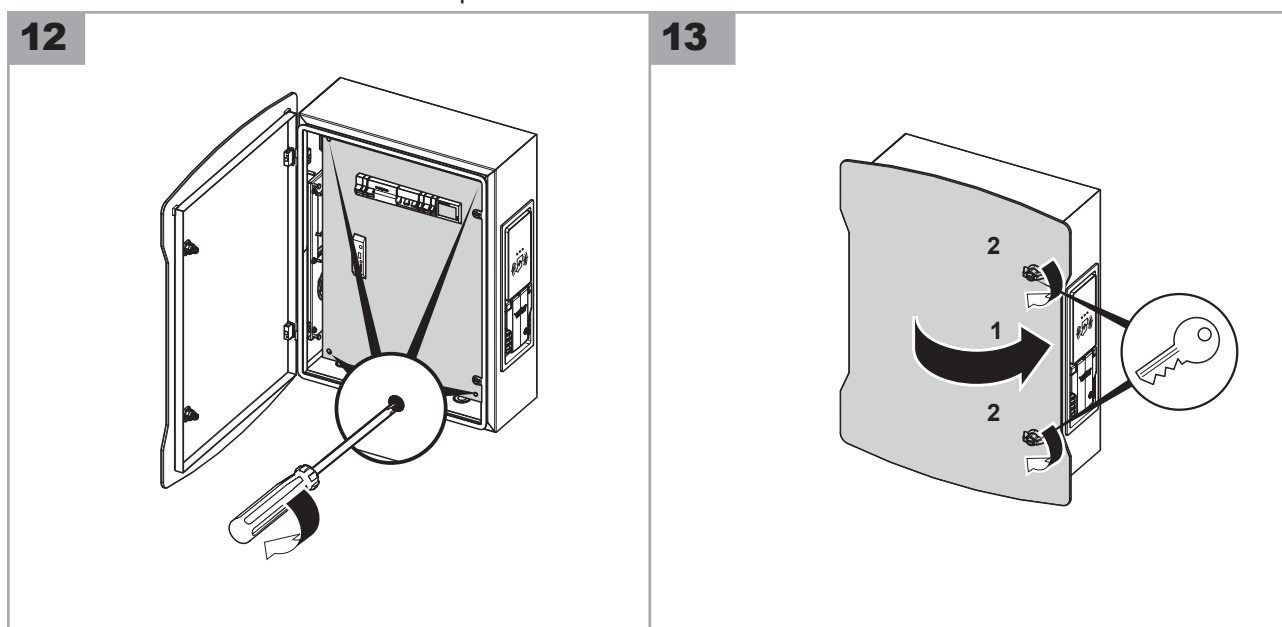


9





* Connection illustration example



6 Initial commissioning



This chapter is intended for installers of the wallbox.
Wallboxes may only be commissioned by a qualified electrician with proven knowledge.



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Observe the five safety rules defined according to DIN VDE 0105[4].
- ▶ Ensure that the supply voltage is switched off.
- ▶ Ensure that power supply cable is electrically dead.

- ▶ Carry out initial commissioning only with suitable and approved devices.
- ▶ Carry out initial commissioning according to the protocols of the standards DIN VDE 0100-600, DIN VDE 0105-100 and DIN VDE 0100-722 and in accordance with country-specific requirements and guidelines.
- ▶ Log test results.
- ▶ Tighten all pre-assembled connection screws in the interior of the enclosure.
- ▶ Make sure that the supply voltage is present.
- ▶ After the supply voltage is switched on it may take up to 5 minutes before charging is possible.
The device is ready for operation when the LED indicator lights up green.

7 Operation



This chapter is intended for operators and users of the wallbox.
The configuration of the wallbox is explained in separate configuration instructions, which can be obtained from Walther-Werke Service.



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Check the wallbox and charging cable for external damage before every use.
- ▶ Do not use a damaged wallbox. In case of damage, inform the operator.
- ▶ Only operate the wallbox with the covers installed and closed. Work with the cover removed may only be carried out by qualified electricians.

7.1 Charging without user interface

7.1.1 Creating readiness to perform charging

- ▶ Connect the charging cable to the vehicle.
- ▶ Connect the charging cable to the free charging socket of the wallbox.

The wallbox is ready for operation when the LED indicator flashes green.

If the wallbox LED indicator flashes quickly (green, yellow and blue), contact the operator.

7.1.2 Starting charging

- ▶ Briefly hold the RFID card up to the RFID card reader.

The charging plug will be locked into the charging socket and can no longer be withdrawn.

The LED indicator slowly flashes blue and the charging process begins.

7.1.3 Ending the charging process



The charging process can only be stopped by the user who started it.

When the vehicle indicates the charging process is complete:

- ▶ Hold the RFID card up to the RFID card reader.

The charging process is stopped and switched off (charging contactor switches off), the charging plug lock is opened and the LED indicator flashes green slowly.

- ▶ Do not unplug the charging cable until you have switched the charger off. Grasp the charging plug by the plug body and pull it out of the charger socket.

If the power fails, the mechanical interlock that locks the charging plug into the charging socket is released automatically, and the plug can be unplugged.

7.1.4 Ending charging on the vehicle



If the user loses their access data, the charging process can be stopped at the vehicle.

- ▶ Open vehicle.
- ▶ End the charging process in the vehicle.
- ▶ Remove the charging cable.

7.1.5 Reserving the charging system

The yellow LED indicator indicates the reservation status of the charging system.

If the yellow LED indicator lights up, the charging system is reserved but no vehicle is connected.

► Connect vehicle.

If the yellow LED indicator flashes slowly, the charging system is connected to a vehicle or reserved.

► Hold the RFID card up to the RFID reader and authorise.

If the yellow LED flashes quickly, the charging system is exchanging data with the backend and waiting for authorisation.

► Hold the RFID card up to the RFID reader and authorise.

7.2 Troubleshooting for charging

If the LED indicator on the selected charging socket flashes quickly (green, yellow and blue), there is a fault. Charging is not possible at this charging socket.

► Contact operator.

8 Cleaning



This chapter is intended for wallbox operators.

The wallboxes can be cleaned dry or damp depending on the degree of soiling.

8.1 Dry cleaning

- ▶ Before cleaning, remove the plug-in charging cable, or unplug the integral charging cable from the electric vehicle.
- ▶ Clean the outer surfaces of the wallbox with a clean dry cloth.

8.2 Damp cleaning

If the wallbox is heavily soiled, clean the outer surfaces with a damp cloth.

Approved cleaning agents:

- 2% soap solution
- Dor® Universalreiniger



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Before starting damp cleaning, have the wallboxes disconnected from the mains by a qualified electrician.
- ▶ Ensure that the supply voltage is switched off.
- ▶ Ensure that power supply cable is electrically dead.
- ▶ Do not open the enclosure during cleaning.
- ▶ Ensure that the covers of the sockets are properly closed.
- ▶ Ensure that no water comes into contact with live parts.
- ▶ Do not use high-pressure cleaners.



CAUTION

Damage to property due to penetration of water and wrong cleaning agents

- ▶ Do not open the enclosure during cleaning.
- ▶ Ensure that the covers of the sockets are properly closed.
- ▶ Ensure that no water comes into contact with live parts.
- ▶ Do not use high-pressure cleaners.
- ▶ Ensure that only approved cleaning agents are used.

- ▶ Before cleaning, disconnect the plug-in charging cable and put on the protective cap.
- ▶ Only clean the outer surfaces using clean water, the approved cleaning agents and a clean, damp cloth.

9 Maintenance



This chapter is intended for wallbox operators.



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Observe the five safety rules defined according to DIN VDE 0105-100.
- ▶ Ensure that the supply voltage is switched off.
- ▶ Ensure that power supply cable is electrically dead.

Der Betreiber muss die Wallboxen in regelmäßigen Abständen durch eine Elektrofachkraft mit nachweislichen Kenntnissen auf ordnungsgemäßen Zustand prüfen lassen.

The manufacturer recommends that the regular maintenance intervals should be adapted to the operating conditions and installation site.

- ▶ Check wallboxes and connection cables for damage before each use.
- ▶ Maintenance must be carried out regularly by a qualified electrician according to the protocols of the standard DIN VDE 0100-600 and in accordance with country-specific requirements and guidelines.
- ▶ DGUV regulation 3 inspection should be carried out annually, ideally quarterly.
- ▶ Press the test button on the MCB/RCD combination (RCBO) at least once a month.
- ▶ Individually test the active conductors for the trigger time and trigger current, and record the results.
- ▶ In case of defective components, contact the manufacturer's service centre.



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Do not open the enclosure during the visual inspection.
- ▶ Never touch inside the sockets.
- ▶ Never insert objects of any kind into the sockets.

A visual inspection can be carried out by non-specialist persons.

- ▶ Check wallboxes for external damage.
- ▶ Check function of the socket covers.
- ▶ In case of damage, contact a qualified electrician. Stop using the use wallboxes and mark them as defective.

10 Faults



This chapter is intended for wallbox operators.

- Have faults corrected by a qualified electrician.
- If necessary, contact the manufacturer.

| Fault | Cause | Corrective action |
|--|--|--|
| LED indicator flashes quickly (green, yellow and blue) | Authorisation was declined. | Check RFID card and read in again if necessary. |
| | Error in the charging system. | Check the charging system for faults. |
| | Backend not available. | Connect to the backend system. |
| LED indicator is off. | No supply voltage. Main fuse off/defective. Control fuse off. Charge controller defective. | Have the supply voltage checked at the input terminal. Have the main fuse checked. Switch on the control fuse. Have charge controller checked. |
| Circuit breaker trips. | Circuit breaker defective. Cable insulation defective. Faulty charging cable. | Have the charging infrastructure and charging cable checked by a qualified electrician. |
| | Connected vehicle is defective. | Have the vehicle checked. |
| | Circuit breaker defective. | Have the circuit breaker replaced by a qualified electrician. |
| Residual current device trips. | Fault in the downstream consumer. | Have consumers checked. |
| | | Have the residual current device replaced. |
| | | Switch the residual current device on again. |
| Charging sockets have no power. | Circuit breaker and/or residual current device not switched on. | Switch on the miniature circuit breaker and/or residual current device. |
| | Wallbox not connected. | Have the wallbox connected by a qualified electrician. |
| Charging plug remains locked. | Interlocking defective. | Manual operation at the charging socket by a qualified electrician either with a size 4 open-ended spanner or with a red flag (if available). Switch off the control voltage. The interlocking will open. |

| Fault | Cause | Corrective action |
|----------------------------------|--|--|
| RFID identification not working. | RFID card is unknown, has wrong data format or cannot be read. | It may be possible to read the card separately using a PC and LAN interface (see instructions for the charge controller). |
| | The connecting cable for the card reader has become detached. | Check whether the RFID card reader is connected to the power supply. |
| | Power supply unit for the RFID card reader is defective. | Check the power supply unit for the RFID card reader and have it replaced if necessary. |
| | Wallbox is offline. No connection to the backend system. | Connect to the backend system. |
| Electric vehicle requests fan. | Charging infrastructure does not support this request. | Charging not possible. |
| No LAN access. | Network connection defective. | Check the status indicator and have the charge controller replaced if necessary. |
| Moisture inside the column. | Condensate has formed. | Avoid disproportionately strong sunlight (integrated temperature monitoring in the charge controller reduces the power if necessary to prevent overheating). |
| | Ventilation not working. | Check the fan or clean the filter mat. Insert the supplied base filler into the base. |
| Enclosure is damaged. | Transport damage. | In case of damage due to transport, report this immediately to the transport company. |

11 Decommissioning



This chapter is intended for installers of the wallbox.
Wallboxes may only be decommissioned by a qualified electrician with proven knowledge.



WARNING

Death or risk of injury from electric shock due to contact with live components

- ▶ Observe the five safety rules defined according to DIN VDE 0105-100.
- ▶ Ensure that the supply voltage is switched off.
- ▶ Ensure that power supply cable is electrically dead.

- ▶ Open the wallbox, see “5.3.1 Opening the wallbox” on page 12
- ▶ Disconnect the supply line.
- ▶ Close the wallbox.

12 Storage and disposal



This chapter is intended for wallbox operators.

12.1 Storage

- ▶ Use sturdy packaging suitable for transport.
- ▶ Prevent the wallboxes from falling or tipping over.
- ▶ Store wallboxes in a dry and dust-free place.

12.2 Disposal

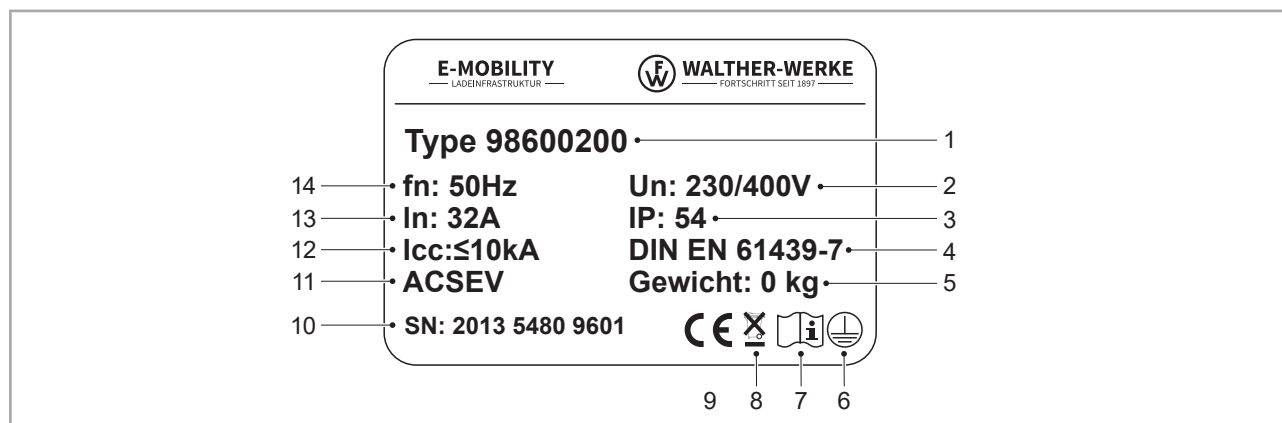
- ▶ Comply with the applicable national standards and regulations of the country in which the wallboxes are used.

13 Nameplates



This chapter is intended for operators and installers of the wallbox.

13.1 Nameplate on the smartEVO PRO 22 wallbox (example)



| | |
|----------------------------------|---------------------------------------|
| 1 Item number | 8 Disposal information |
| 2 Rated voltage | 9 CE mark |
| 3 Protection class | 10 Serial number |
| 4 Manufacturer's standard | 11 Use information |
| 5 Weight | 12 Rated short-circuit current |
| 6 Protection class I | 13 Rated current |
| 7 Instruction information | 14 Rated frequency |

14 Technical data



This chapter is intended for operators and installers of the wallbox.

14.1 General

| | | smartEVO 11 | smartEVO 22 | smartEVO PRO 22 |
|--|----------------------------------|---|-------------|-----------------|
| General electrical data | | | | |
| Rated voltage | | 230/400 V AC | | |
| Rated frequency | | 50 Hz | | |
| Input current max. | | 16 A | 32 A | 32 A |
| Preliminary fuse max. | | 25 A | 40 A | 40 A |
| per charging point | Operating mode for charging | Mode 3 (charging with alternating current) according to IEC 61851-1 Plug & charge according to ISO 15118 | | |
| | Charging output | up to 11 kW | up to 22 kW | |
| | Charging current | up to 16 A | up to 32 A | |
| | Charging socket / charging cable | Type 2 | | |
| Rated surge voltage | | 4 kV | | |
| Rated isolation voltage | | 500 V | | |
| Overvoltage category | | III | | |
| Rated current of the switchgear assembly | | 16 A | 32 A | 32 A |
| Conditional rated short-circuit current | | 10 kA | | |
| Network configuration | | TN / TT | | |
| Protection class | | I | | |
| EMC classification | | A/B | | |

Dimensions & weight

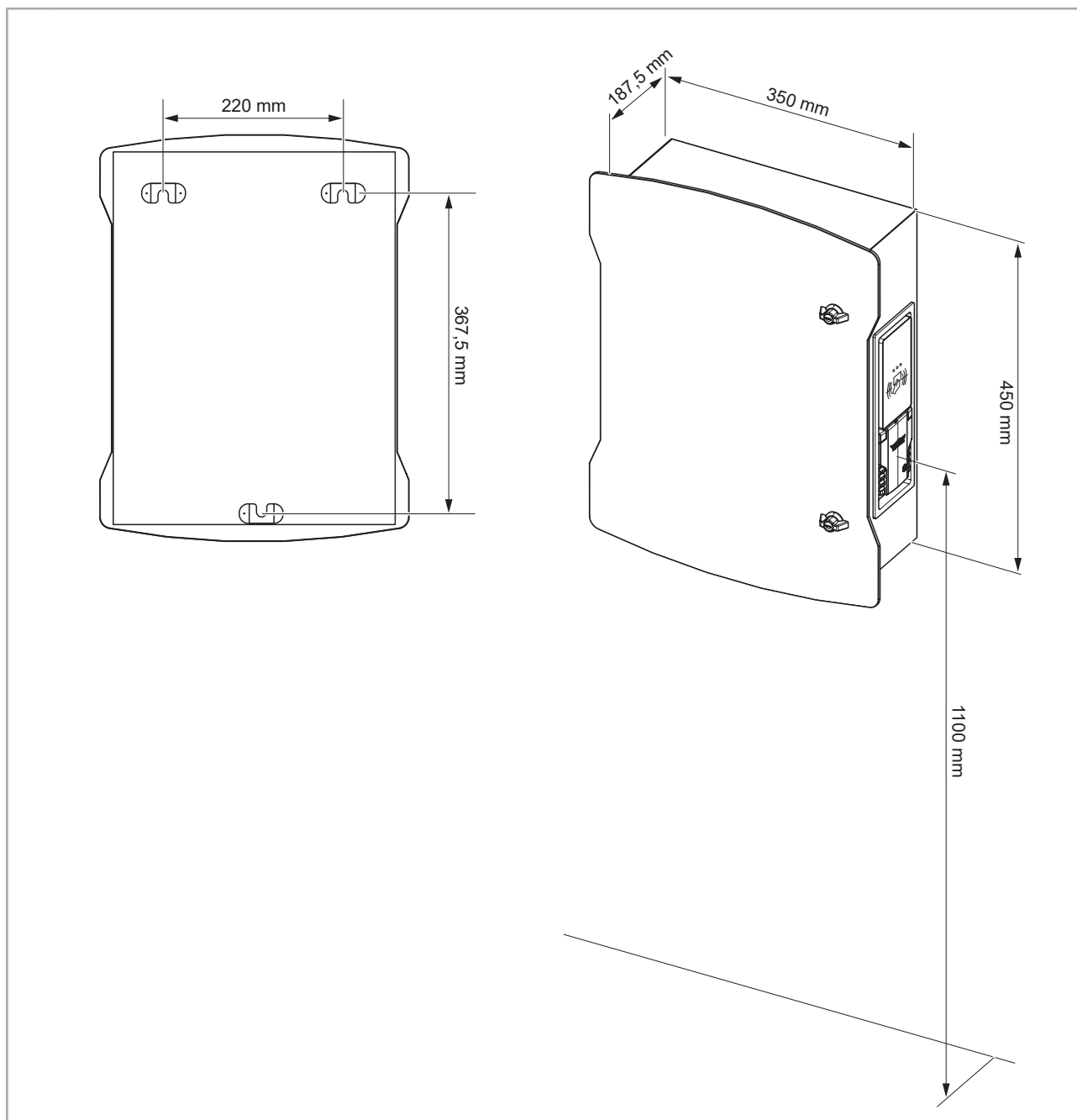
| | | | | |
|--|-------------------|-------|-------|--|
| Type | Wallbox | | | |
| Dimensions in mm (H x W x D) | 450 x 350 x 202.5 | | | |
| Dimensions with design label in mm (H x W x D) | 490 x 390 x 202.5 | | | |
| Weight - With charging socket - With charging coupler | 17 kg | | | |
| | 19 kg | 20 kg | 20 kg | |

Ambient conditions

| | |
|--|---|
| IP degree of protection | IP 54 |
| Mechanical impact strength/ impact stress | IK08 |
| Stationary/mobile | Stationary |
| Use according to DIN EN 61439-7 | ACSEV |
| Installation type | Wall or base installation |
| Operating temperature | -25 to + 40 °C (direct sunlight not considered) |

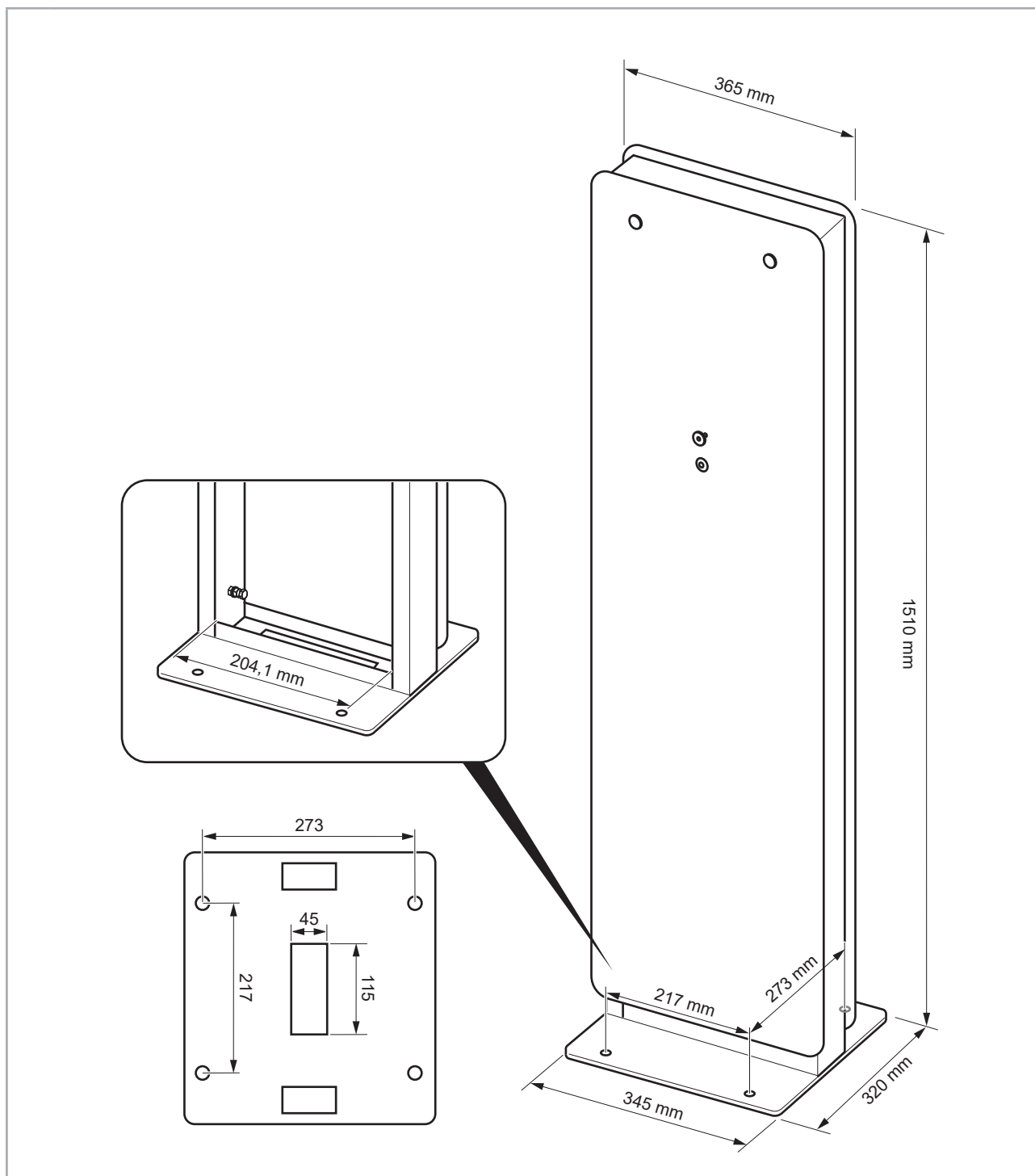
| | smartEVO 11 | smartEVO 22 | smartEVO PRO 22 |
|--|---|--|-----------------|
| Safeguards | | | |
| Safeguard per charging point | <ul style="list-style-type: none">▪ 1 x residual current device, 40-pole / 0.03 type A▪ 1 x circuit breaker, 3-pole C 32 A▪ 1 x DC residual current detection | <ul style="list-style-type: none">▪ 1 x residual current device, 4-pole 40 / 0.03 A type A▪ 1 x circuit breaker, 3-pole C 32 A▪ 1 x DC residual current detection >= 6 mA | |
| Electricity meter per charging point (outlet point) | | | |
| Type | Bidirectional three-phase meter according to MID direct measurement | | |
| Accuracy class | Active energy class B according to EN 50470-3 (MID) Reactive energy class 2 according to EN 62053-23 | | |
| Connection options | | | |
| Connection terminal | Up to 2 x 5 x 25 mm ² with NYY-J max. 5 x 10 mm ² | | |

14.2 smartEVO PRO 22 (example)



| | |
|---------------------------|---------------------------------|
| Height | 450 mm |
| Width | 350 mm |
| Depth | 187.5 mm |
| Weight | 17 kg |
| Counter | Bidirectional three-phase meter |
| Operation, identification | RFID card reader |

14.3 Base (optional, can be fitted on one or both sides)



| | |
|--------|---------|
| Height | 1510 mm |
| Width | 365 mm |
| Depth | 320 mm |
| Weight | 35 kg |

EU-Konformitätserklärung

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erklärt hiermit in alleiniger Verantwortung, dass die hier aufgelisteten

Wallboxen: **smartEVO 11**
 smartEVO 22
 smartEVO PRO 22

Ladeeinrichtungen für Elektrofahrzeuge sind und die Forderungen folgender EU-Richtlinien erfüllen:


- Niederspannungsrichtlinie 2014 / 35 / EU vom 26. Februar 2014
- EMV-Richtlinie 2014 / 30 / EU vom 26. Februar 2014
- RoHS-Richtlinie 2011 / 65 / EU vom 1. Juli 2011
- RED-Richtlinie 2014 / 53 / EU vom 16. April 2014

Angewendete Normen und technische Spezifikationen:

- DIN EN 61439-1:2012-06
- DIN EN 61439-7:2016-10
- IEC 61851-1 Edition 3.0
- IEC 62196-1:2011
- IEC 62196-2:2011
- DIN VDE 0100-500
- ISO 15118

Eisenberg, 10.11.2020

WALTHER-WERKE
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Geschäftsleitung
Adelheid Krämer
Qualitätsmanagement

Installation instructions &
software updates
available here:



walther-werke.de/serviceportal/

