EV Wall

Installation manual

English – 4.0 – April 2026

smappee

Document accuracy

The specifications and other information in this document were verified to be accurate and complete at the time of its publication. Due to ongoing product improvement, this information is subject to change at any time without prior notice. For the latest information, see our online documentation: smappee.com/downloads

Table of contents

1 Introduction

Thank you for purchasing this EV Wall charging station for electric vehicles, the smartest charging station.

This installation manual tells you how to install the EV Wall. We recommend that you read the contents of this manual carefully, to ensure a safe and proper installation and enable to use all the advanced features of this product to the full.

Intended use

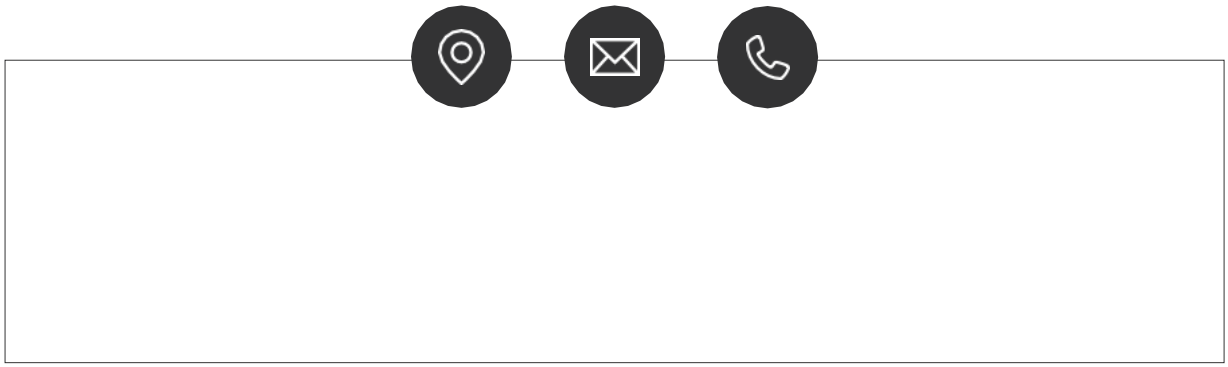
This charging station is designed for charging electric vehicles using either the fixed Type 2 charging cable (if equipped) or a compatible Type 2 charging cable connected to the socket outlet. The use of intermediate adapters or extension cables is not permitted.

Use for any other purpose than EV charging as defined in the IEC 61851-series is not allowed and constitutes misuse of the charging station. Only qualified, trained and authorised persons are allowed to install, maintain and/or repair the charging station and make sure that the technical specifications and installation requirements are met. Incorrect installation and testing of the charging station could potentially damage either the vehicle's battery or the device. Any resulting damage is excluded from the warranty of the device. Any modification that is not in writing confirmed by Smappee will void the warranty. For more information, refer to smappee.com/legal-documents.

Support

Only qualified electricians or equivalent may install the charging station. If you have any questions, please contact your service partner.

Please have the following information ready to hand to speed up the process: Article number and serial number which you can find on the identification label of the charging station.



Should your local distributor be unable to help you, or you have a suggestion for us, you can contact Smappee at: **support@smappee.com**.

Smappee NV
Evolis 104
8530 Harelbeke
Belgium

2 Safety instructions

2.1 Safety warnings and precautions

	WARNING Carrying out activities on this charging station without the relevant knowledge and qualifications can lead to serious accidents and death. Only carry out tasks for which you are qualified and have been fully instructed. Only certified electricians may carry out the installation, which must be in accordance with the national safety regulations. Fully read and follow the safety instructions below before you install, service or use your EV Wall. Incorrect installation, repairs or modifications can result in danger to the user and may void the warranty and liability.

	CAUTION Risk of electric shock. Refer to the accompanying documentation whenever you see this symbol.

Please observe the following safety precautions to avoid potential electric shock, fire, or personal injury:

- Use the correct tools and provide sufficient material resources and protection measures.
- The charging station is, when installed correctly, intended to be used by untrained individuals to exclusively charge their electric vehicle.
- Do not allow children to operate a charging station.
- When a charging station is in use, adult supervision of any children present is required.
- Switch off electrical power supply to the charging station before installation or maintenance work.
- Do not use the charging station if it is damaged or defective.
- Do not immerse the charging station in water or any other liquids.
- Do not expose the charging station to heat, flame or extreme cold.
- Do not attempt to open, repair, or service any parts.
  Contact Smappee or your service partner for further information.
- Only use the charging station under the specified operating conditions.
- While charging the charging cable must be completely unwound and connected to the electric car without overlapping loops. This to avoid the risk of overheating the charging cable.
- After charging, store the charging cable properly so it does not present a tripping hazard. Make sure the charging cable cannot become damaged (kinked, compressed or driven over).
- Do not place any objects on the charging station.

2.2 Maintenance

- Observe the maintenance schedule (page 38).
- Clean the outside only with a dry, clean cloth.
- Do not use abrasive agents or solvents.
- May not be carried out during rain or if air humidity exceeds 95 %.

2.3 Transport and storage

- Disconnect electrical power supply before removing the charging station for storage or relocation.
- Only transport and store the charging station in its original packaging. No liability for damage incurred will be accepted if the charging station is transported in non-standard packaging.
- Store the charging station in a dry environment within the temperature range specified in the technical specifications.

3 Overview of the EV Wall

3.1 Models

Article number	EAN	Description
EVW4-332-BR-B	5425036936119	EV Wall Black
EVW4-332-C8R-B	5425036936133	EV Wall Black with Cable
EVW4-332-CS8R-B	5425036936416	EV Wall Black with Shutter Cable
EVW4-332-BR-W	5425036936126	EV Wall White
EVW4-332-C8R-W	5425036936140	EV Wall White with Cable
EVW4-332-CS8R-W	5425036936423	EV Wall White with Shutter Cable

3.2 What's in the packages

The EV Wall consists of one or two packages. There is always a package containing the EV Wall unit. If an EV Wall is chosen with charging cable, there is a second package with the charging cable.

EV Wall package

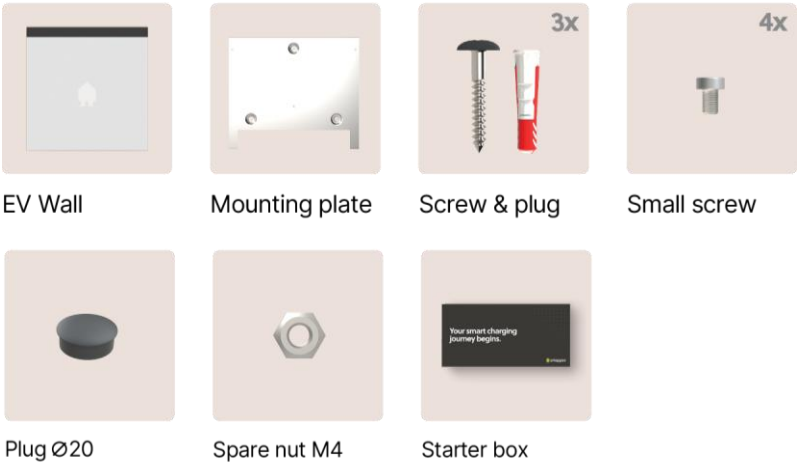


Image 1: Content of the package with the charging station

Description	**Quantity**
Smappee EV Wall	1
Mounting plate	1
Screw and plug (⌀ 4.8 mm x 38 mm)	3
Small screw (M4 x 6 mm)	4
Plug (⌀ 20)	1
Spare nut M4	1
Starter box	1

Charging cable package

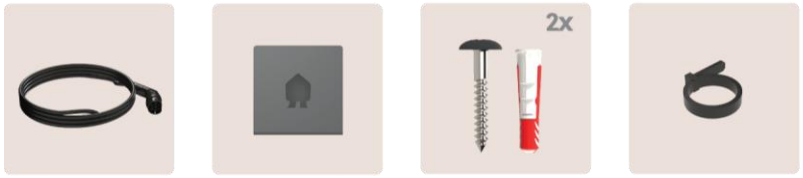


Image 2: Content of the package with the charging cable

Description	**Quantity**
Charging cable	1
Cable holder	1
Screw and plug (⌀ 4.8 mm x 38 mm)	2
Cable tie for strain relief	1

3.3 Directional determination

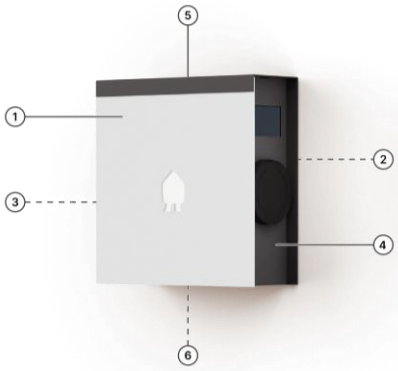


Image 3: Directional determination

ID	Description
1	Front
2	Rear
3	Left
4	Right
5	Top
6	Bottom

3.4 Identification label of the EV Wall

Position of the identification label of the EV Wall

The identification label is on the left bottom of the charging station.

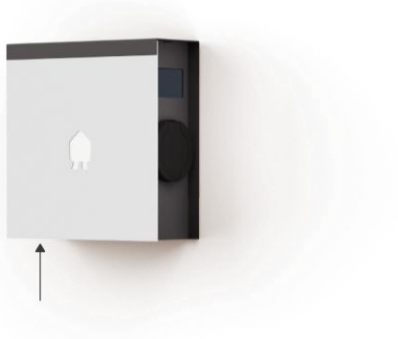


Image 4: Position of the identification label

EV Wall Identification label

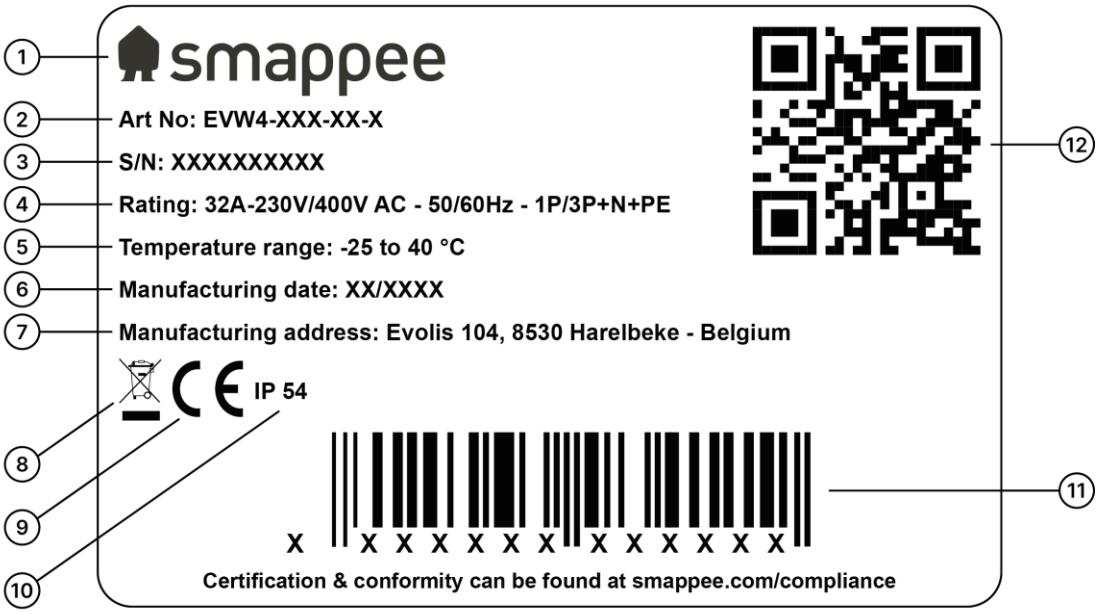


Image 5: EV Wall identification label

No.	Description
1	Manufacturer
2	Article number
3	Serial number
4	Electrical rating
5	Operating temperature
6	Manufacturing date
7	Manufacturer address
8	Waste disposal symbol
9	CE
10	Ingress protection rating
11	EAN-code
12	QR code to scan during configuration of the charging station

3.5 Technical specifications

Feature	Description	
	Socket	**Type 2 cable**
Physical properties		
Dimensions	300 mm x 300 mm x 110 mm	
Weight (excluding packaging)	6.3 kg	9.7 kg (including cable holder)
Socket	IEC 62196-2 Type 2 with integrated shutter Electronic lock of socket can be locked permanently by the user.	N/A
Charging cable	N/A	IEC 62196-2 Type 2 charging cable 8 m
Supply line connection	Terminal block, flexible conductors up to 6 mm² or solid conductors up to 16 mm²	
Stationary / moveable	Fixed installation	
External design	Enclosed assembly	
Mounting method	Wall	
Technical features		
Maximum nominal power	Single-phase connection: 7.4 kW Three-phase connection: 22 kW	
Charge mode	Mode 3 (IEC 61851)	
Connection case	Case A and B (Socket) (IEC 61851)	Case C (Fixed cable) (IEC 61851)
Metering	MID metering, certified class B	
Integrated Residual Current Protection	6 mA DC RCM and 30 mA AC RCD type A	
Required external circuit breaker	1 x 2P (single-phase), 1 x 3P (three-phase) or 1 x 4P (three-phase with neutral) breaker of maximum 40 A, type B or C	
Supported power systems	TN-C, TN-C-S, TT, IT [1]	
Grounding	TN system: PE wire TT system: Independently installed ground electrode < 100 Ohm spreading resistance IT system: connected to a shared reference (common earth) with other metal parts	

1 Caution: not all electric vehicles support the IT system. For 3 x 230 V charging, a voltage transformer might be necessary.

Feature	Description	
	Socket	**Type 2 cable**
Rated voltage (U_N)	230/400 VAC	
Rated insulation voltage (U_i) of a circuit	500 V	
Rated impulse withstand voltage (U_{imp})	Overvoltage Category III (4 kV)	
Rated frequency (f_N)	50 Hz / 60 Hz	
Rated current (I_{na})	32 A	
Rated current (I_{nc}) of a circuit	32 A	
Rated peak withstand current (I_{pk})	6 kA	
Rated conditional short-circuit current (I_{cc})	6 kA	
EMC classification	Class B	
Connection method	AC, permanently connected	
Interfaces & Connectivity		
Information status	RGB LED	
Session activation	Unauthenticated, Swipe and charge, Scan and charge, optional Pay Station	
Connectivity	Ethernet 100BASE-T, 4G LTE-M[2]	
Communication protocol	ISO 15118 V2G OCPP 1.6 J, ready for update to OCPP 2.0.1	
Certifications and Standards		
Product certification	CE	
Standards	Safety: EN IEC 61851-1, EN IEC 62311, AS/NZS 3820 EMC: EN IEC 61851-21-2, EN ETSI 301 489-1, EN ETSI 301 489-52 Radio spectrum: EN ETSI 300 220, EN ETSI 301 908-13	
Environment		
Enclosure material	Magnelis (housing), aluminium (front plate)	
Enclosure standard colours	RAL 9016 (star white), RAL 7021 (black grey)	
Protection degree	IP54	

2 A complimentary two-year period of 4G connectivity (LTE) is included. Following this initial term, an integrated 4G service (LTE) for 1 year, with yearly renewal, is offered.

Feature	Description	
	Socket	**Type 2 cable**
Mechanical impact protection	IK10	
Pollution degree	3	
Electrical safety class	I	
Stand-by use	LED brightness 0%: 2 W LED brightness 100%: 5 W	
Environmental conditions	Indoor and outdoor use	
Operating temperature	-25 °C to 40 °C	
Storage temperature	-25 °C to 60 °C	
Relative humidity	0 % to 95 %, non-condensing	
Maximum installation altitude	0 – 2000 m	
Access	Locations with restricted and non-restricted access	

NOTE

- The operating temperate assumes the ambient temperature of a product delivered in the default enclosure colour RAL 9016 (star white) or RAL 7021 (black grey). Direct exposure to sunlight may have an adverse effect on the temperature range.
- If the product is exposed to lower or higher ambient temperatures, continuous operation cannot be guaranteed. If temperatures exceed the maximum values, the charging station will automatically decrease the charging current to decrease the internal temperature of the charging station. This stabilises the internal temperature and makes it less likely that a charging session will be unexpectedly paused.
- If the product is directly exposed to sunlight, the automated temperature management may automatically start below the maximum ambient temperature. Therefore, wherever possible, avoid exposing the charging station to direct sunlight.
- Where products are exposed to the elements of nature, the enclosure can be subject to gradual ageing of the material, which can result in product discolouration over time. Therefore, wherever possible, place the product in a sheltered place to optimise the life of the materials.

4 Prepare the installation

For overload protection or optimised self-sufficiency, additional Smappee Infinity components must be installed to measure the Grid and Solar, Battery or other submetering if applicable.

> NOTE
>
> For more information, refer to the Smappee Academy.

The first step is to prepare the physical installation of the EV Wall as described in this chapter.

4.1 Installation prerequisites

- Obtain all necessary permits from the relevant local authorities.
- Local regulations may be applicable and can vary depending upon the region or country.
- Make sure that there is sufficient space around the charging station as specified in the IEC 60204-1 standard.

> NOTE
>
> When positioning the EV Wall, take into account that the power supply cable and network cable are entering the housing at the bottom through cable glands. The right M32 cable gland is for the power supply, the M20 cable gland for the network cable.

- Make sure that the installation area of the charging station is adequate for usability and ventilation purposes.
- Refer to local wiring regulations to select the conductor sizes and use only copper conductors.
- Calculate the existing electrical load to find the maximum operating current for the charging station installation.
- The appropriate wire gauge of the supply cable depends on the power rating and distance between the meter cabinet and the charging station. The voltage drop must not exceed 5 %. It is advisable to have a maximum voltage drop of 3 %.
- The power supply connection must be protected against short-circuiting and over-current with an individual circuit breaker. This circuit breaker must be 2-pole (for single-phase), 3-pole (threephase without neutral) or 4-pole (three-phase with neutral), curve B or C, and have a current rating of maximum 40 A (or otherwise in compliance with local standards and regulations).

> NOTE
>
> Some EVs are not compatible with a 3 x 230 V grid due to a built-in security in the EV. Contact your EV manufacturer for more information. If your EV is not compatible with this grid topology, or if you would like to achieve higher charging power than what is possible on a delta grid topology, you can install a transformer that converts the 3 x 230 V topology to a standard 3 x 400 V + N topology.

- Make sure that there is one network cable for the internet connection available for each EV Wall. For more information, refer to Connect the EV Wall to the internet (page 29).

- Route the power supply cable and the network cable, if applicable, to the position where the charging station will be installed.

NOTE

Make sure that there is at least 30 cm (1 ft) power supply and 30 cm (1 ft) network cable available at the location of the EV Wall to be able to connect it easily.

- Use the supplied mounting plate (page 18) to attach the EV Wall.

4.2 Tools (not included)

- Torque wrench and socket
- Allen key 2,5 mm
- PZ2 and T20 bit/screwdriver
- Multimeter and earth ground meter
- Wire stripper and cutter
- Needle-nose pliers
- Ferrules crimper (only for stranded power supply cables)
- RJ45 crimping tool
- Rock drill ⌀ 6 mm
- Hammer

4.3 Supplies (not included)

- Power supply cable
- Circuit breaker for power supply
- Network cable (twisted pair cable, 4 pairs) and RJ45 connectors, minimum Cat 5 depending on the environment
- Ferrules, when using stranded power supply cables or decreasing the length of the charging cable.

4.4 Prepare the EV Wall

Context

For safe and compact transport of the EV Wall:

- The mounting plate is in the same package as the EV Wall, together with the supplies.
- The charging cable is in a separate package, together with the cable holder, a cable tie, 2 screws and 2 plugs.

Instructions

Proceed as follows.

1. Remove the cardboard packaging.
   Keep in mind to store the cardboard, as this can be used to safely store the front plate while installing the EV Wall.
2. Unscrew the two inner nuts that hold the front plate.

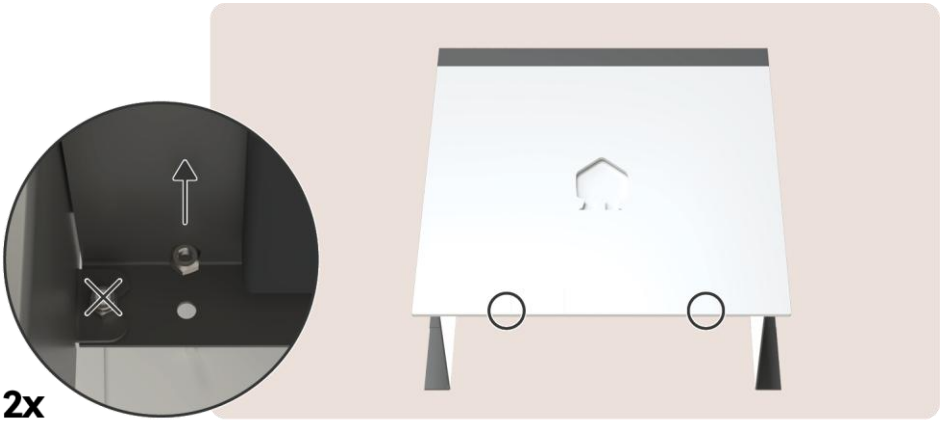


Image 6: View of the back of the EV Wall

3. Make sure to keep the nuts for later use.
4. Lift the front plate.

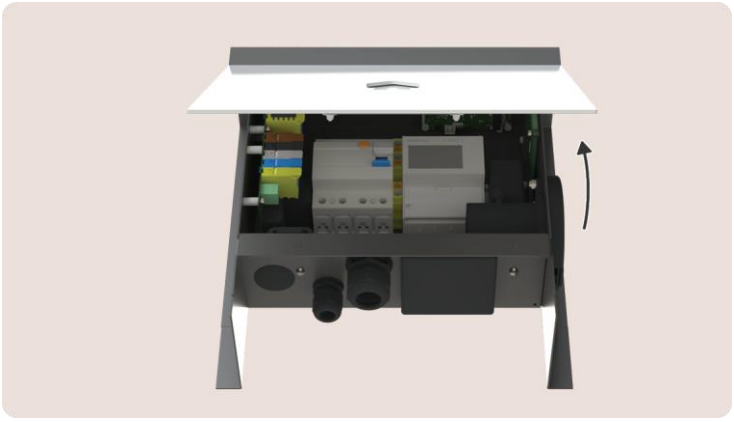


Image 7: View on the lifted front plate

5. Remove the front plate.
   Put the plate in a safe location where it cannot be scratched or damaged.
   Put the nuts on the threaded rods to avoid losing them.

As a result, the EV Wall is prepared for the next steps.

4.5 Install the mounting plate

Context

The mounting plate lets you smoothly attach the charging station to the wall.

Instructions

Proceed as follows.

1. Position the mounting plate on the desired location of the EV Wall.
   Make sure the mounting plate is in a leveled position with the 2 insert holes on the bottom.

2. Use the mounting plate to mark the position of the drill holes on the wall.

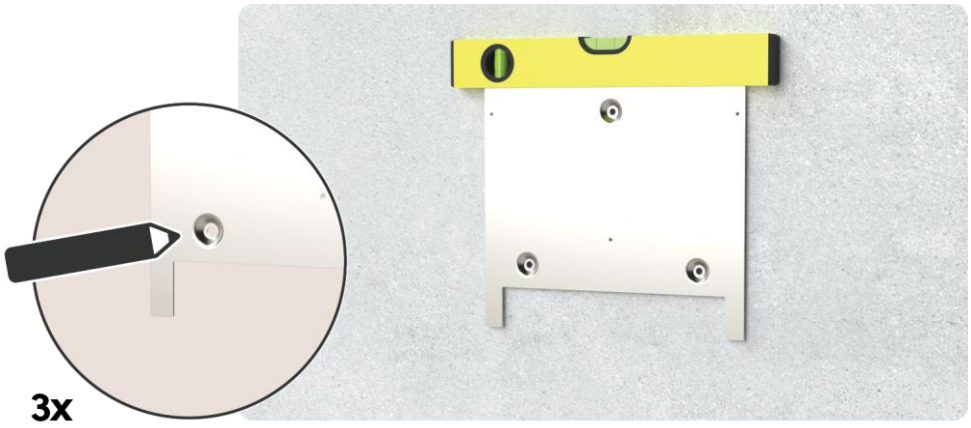


Image 8: Mark position of the mounting plate

3. Drill three holes of ⌀ 6 mm to a depth of 40 mm.

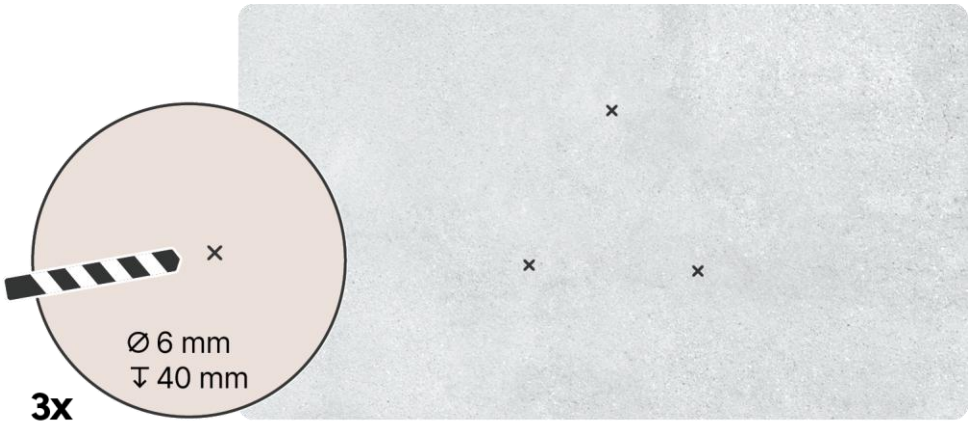


Image 9: Drill holes for the mounting plate

4. Insert the supplied plugs into the holes.

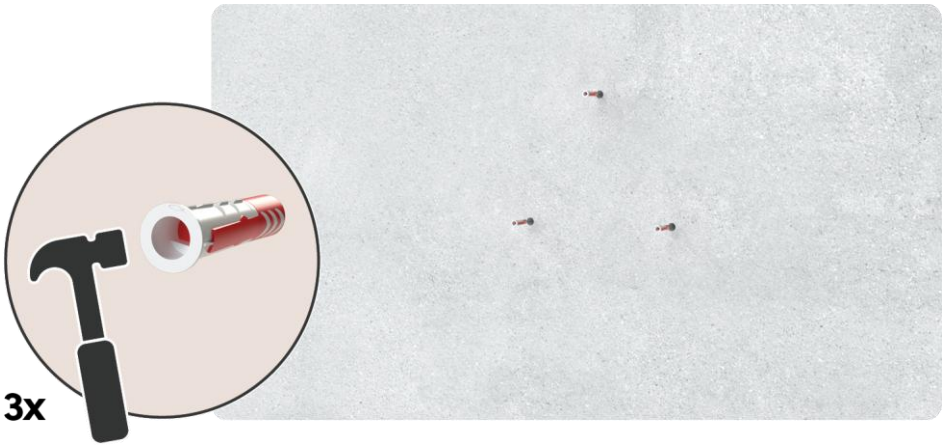


Image 10: Insert the plugs

5. Secure the mounting plate to the wall, ensuring the three bulges face the wall, and fasten it with the supplied screws.

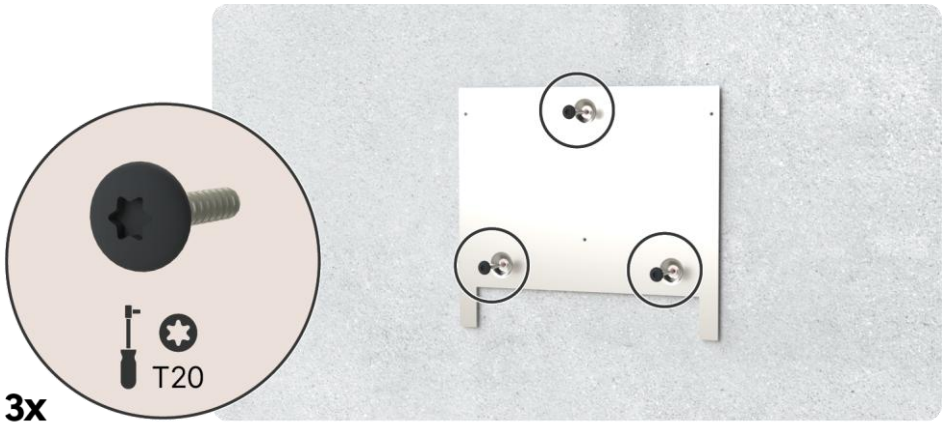


Image 11: Attach the mounting plate

5 Installation and configuration

	CAUTION The installation must be carried out by a qualified professional who has read this manual and works in compliance with local and national standards. Neglecting this may lead to severe injuries or hazardous situations while working with electricity.

	CAUTION The electric system must be entirely disconnected from every power source prior to performing installation or maintenance work. Make sure it is not possible to connect the electric current during installation. Put up caution tape and warning signs to mark the work areas. Make sure no unauthorised people can enter the work areas.

	CAUTION The charging station contains electric components that may still contain electrical charge after being disconnected. Wait at least 10 seconds after disconnection before commencing work.

	CAUTION Adaptors or conversion adaptors and cord extension sets are not allowed to be used.

This procedure describes the required steps for the physical installation of the EV Wall.

1. Attach the EV Wall (page 21)
2. Connect the power supply of the EV Wall (page 22)
3. Connect the charging cable (page 24)
4. Install the cable holder (page 26)
5. Connect the EV Wall (page 29)
6. Install the front plate (page 32)

After the physical installation, the configuration can be done. For more information, refer to:

7. Configure the EV Wall with the Smappee App (page 33)
8. Give the owner a smooth start (page 34)

5.1 Attach the EV Wall to the mounting plate

Context

The mounting plate enables smooth and secure installation of the charging station on the wall.

Instructions

Proceed as follows.

1. Position the EV Wall in front of the mounting plate.
2. Attach the EV Wall to the mounting plate.
   Use the three M4 x 6 mm hex screws and an Allen key 2.5 mm.

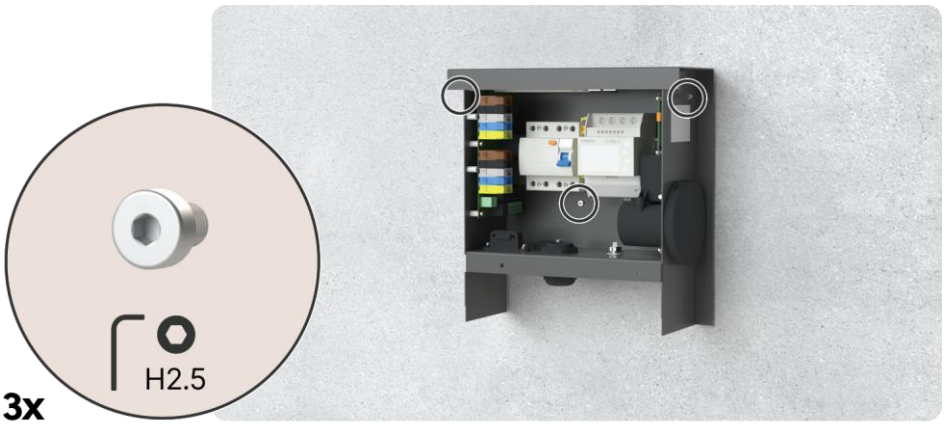


Image 12: Mount the unit to the mounting plate

5.2 Connect the power supply of the EV Wall

Context

Each EV Wall has an integrated MID meter that measures the power consumption of the charging station. No other components are needed to measure the charging station consumption.

Each EV Wall must have its own circuit breaker. For more information, refer to Installation prerequisites (page 15).

Instructions

1. Guide the power supply cable through the M32 cable gland of the EV Wall and tighten the cable gland.

Image 13: Power supply through the cable gland

2. Cut the power supply cable to the sufficient length.
   For stranded wires, add a ferrule to each conductor.
3. Connect the power supply wires according to the image below.
   Using a torque wrench, tighten the screws with a torque of 2.5 Nm.

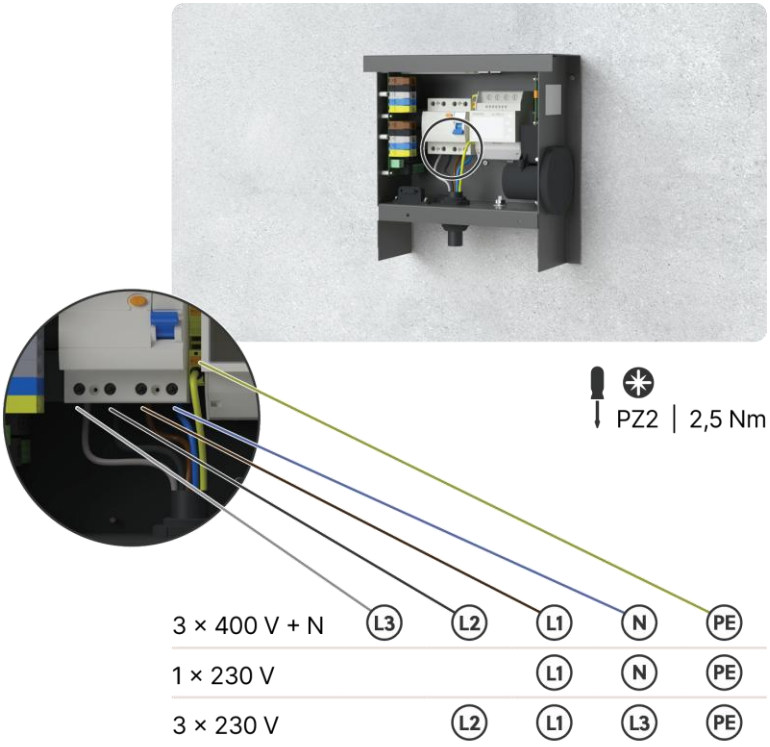


Image 14: Wire the power supply according to the grid type

- Put the green/yellow conductor in the corresponding terminal block for the protective earth (PE).

	NOTE If 16 mm² conductors are used, route the PE wire directly towards the relay board on the left. Remove the pre-installed PE wire between relay board and terminal block. Use the open connector on the relay board to connect the PE wire.

- Put the blue conductor, if applicable, in the corresponding connection point for the neutral (N) of the residual current device.

	NOTE For a 3 x 230 V with a transformer, the neutral conductor comes from the transformer.

- Put the phase conductors in the necessary connection point of the residual current device.

	NOTE • L1 = brown phase 1-conductor • L2 = black phase 2-conductor, if applicable • L3 = grey phase 3-conductor, if applicable For a 3 x 230 V without a transformer, and thus no neutral conductor, put the grey conductor in the neutral connection point.

	NOTE If you install more than one charging station on a 3 x 400 V + N grid, we recommend different connection of the three phases. For more information, refer to Phase rotation (page 35).

- Using a torque wrench, check the torque of the large screws on the MID meter. The required torque is 2.5 Nm.

5.3 Connect the charging cable

Context

NOTE

This section is only relevant if the EV Wall comes with a fixed charging cable. If you have a socket-variant, go to Connect the EV Wall (page 29).

The charging cable and cable holder are supplied in a separate package.

Instructions

Proceed as follows.

4. Guide the charging cable through the left M32 cable gland.
5. For strain relief, put the supplied cable tie around the charging cable.
   Tighten it just after the cable gland on the inside of the charging station.

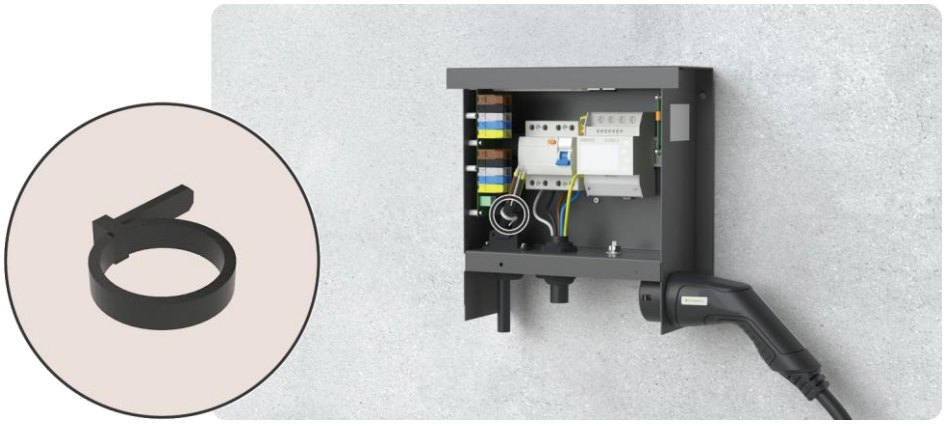


Image 15: Install the cable tie

6. Tighten the cable gland.

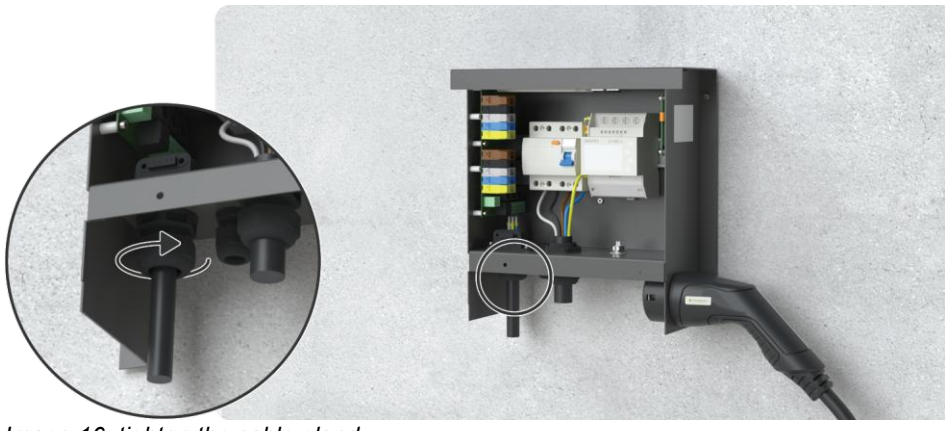


Image 16: tighten the cable gland

7. If necessary, shorten the charging cable and add a ferrule (not supplied) to each wire.

8. Connect each wire to the corresponding terminal as indicated with a label.
   Do not forget to connect the CP data wire of the charging cable to the CP terminal.

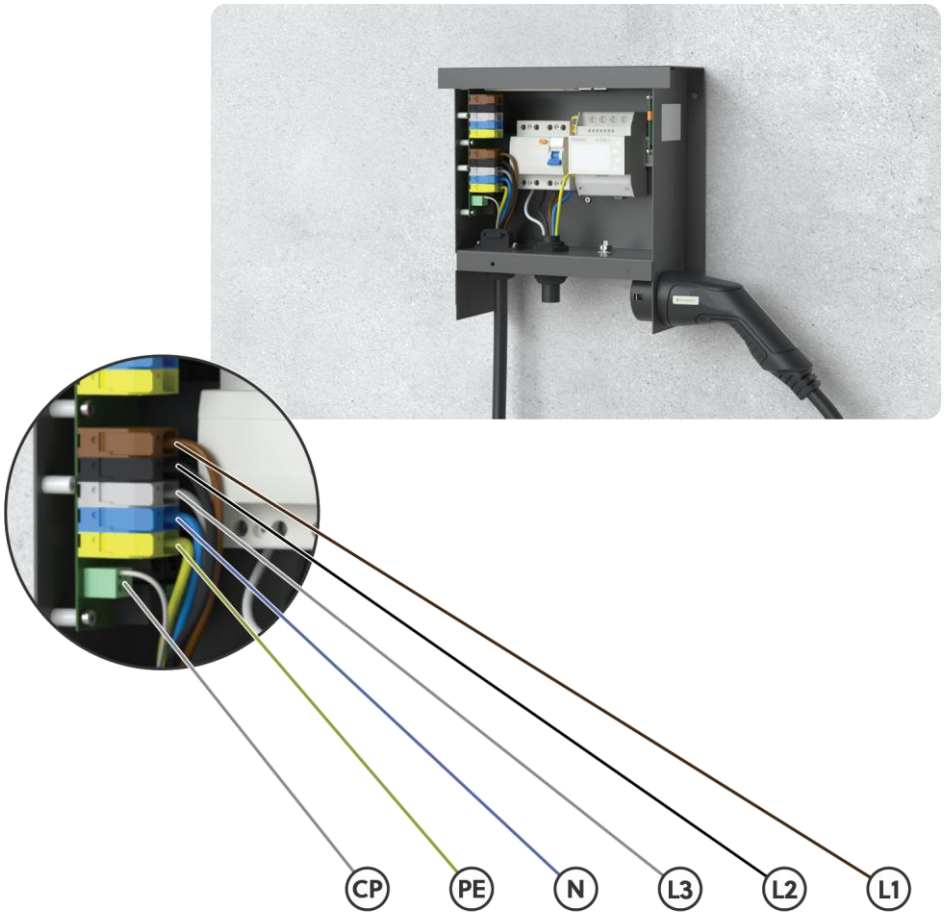


Image 17: Connect the charging cable

5.4 Install the cable holder

Context

NOTE

This section is only relevant if the EV Wall comes with a fixed charging cable. If you have a socket-variant, go to Connect the EV Wall (page 29).

The cable holder keeps the charging cable organized when not in use.

Image 18: View on the stored cable and cable holder

Instructions

Proceed as follows.

1. Position the cable holder in a leveled position on the desired location.
   Make sure the opening is on top.
2. Mark the position of the drill holes on the wall.

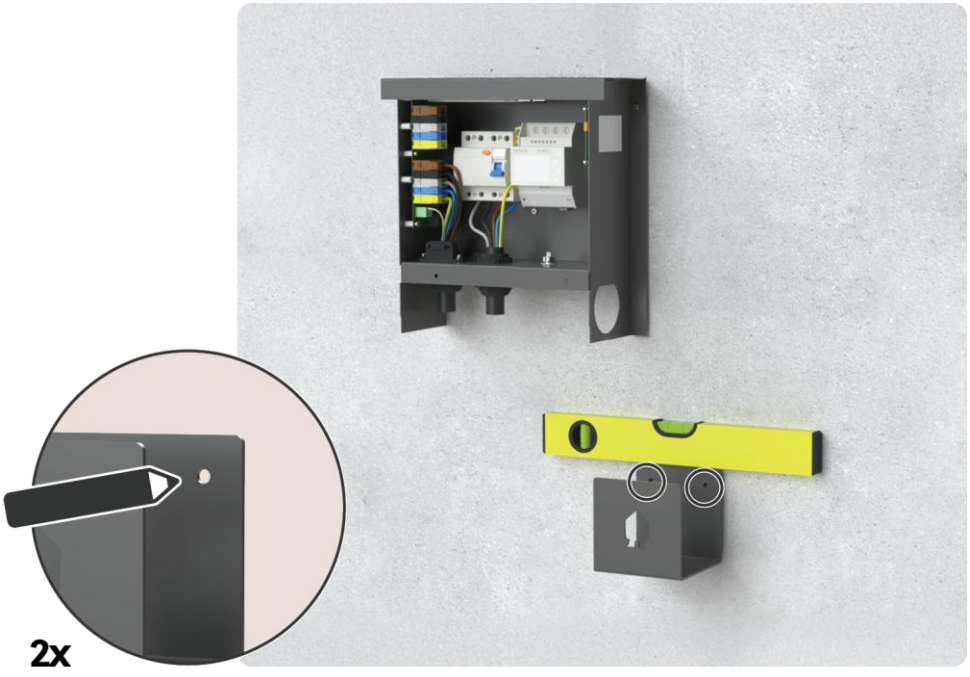


Image 19: Mark the holes for the cable holder

3. Using the marks, drill two holes of ⌀ 6 mm to a depth of 40 mm.

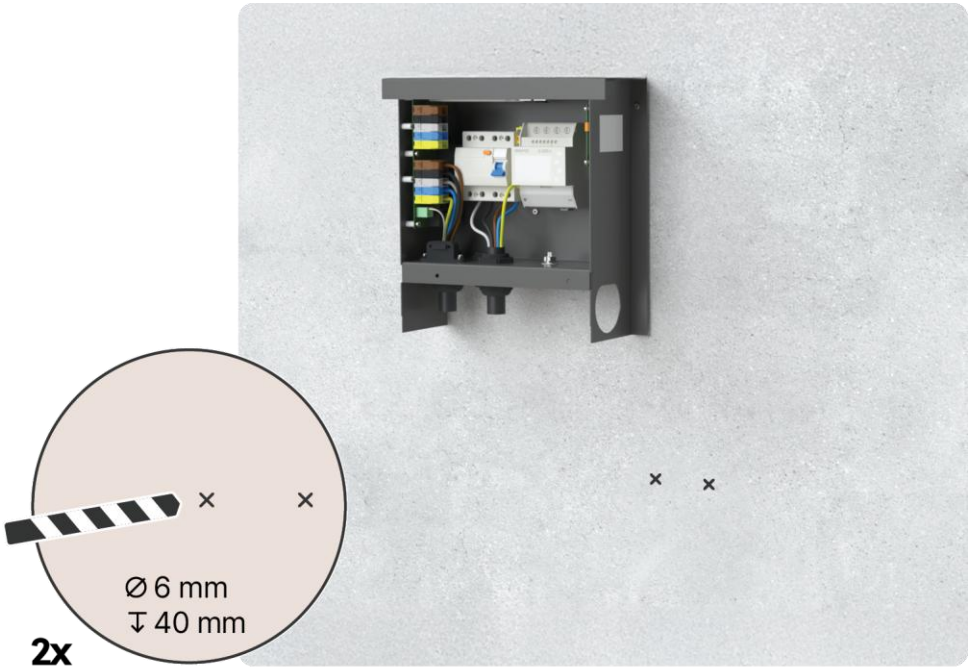


Image 20: Drill the holes

4. Insert the supplied plugs into the holes.

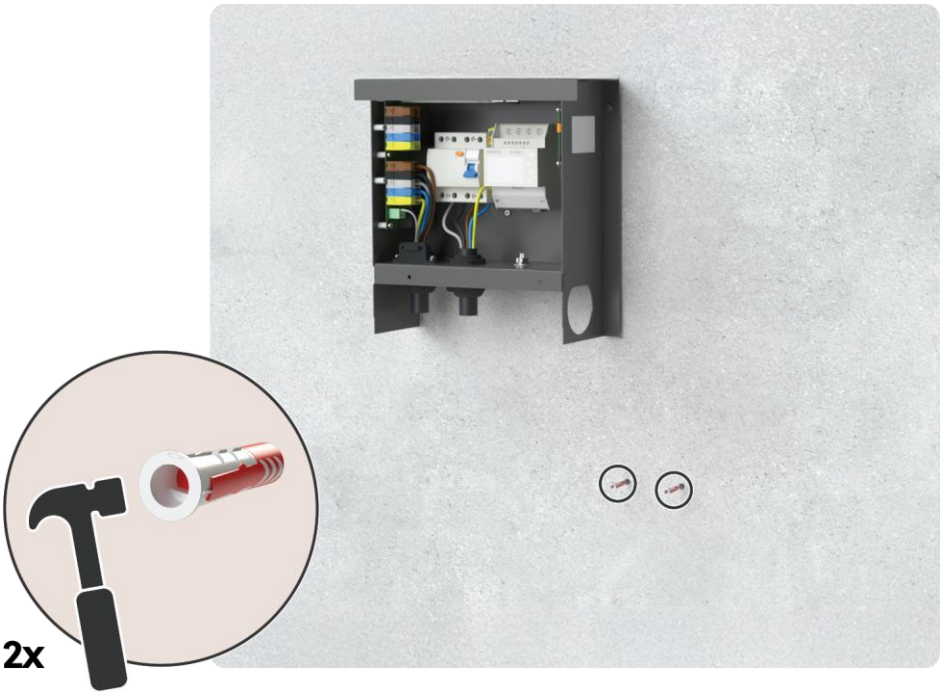


Image 21: Insert the plugs

5. Attach the cable holder to the wall with the supplied screws using a T20 bit.

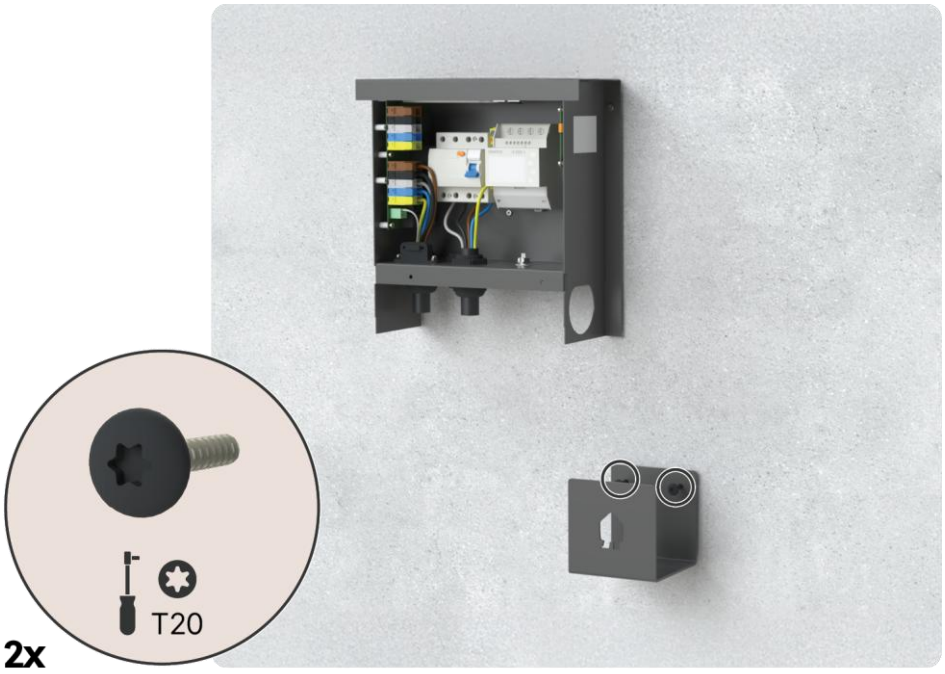


Image 22: Mount the cable holder

5.5 Connect the EV Wall to the internet

Context

Communication with the internet is established in one of these two ways: wired connection (Ethernet) or 4G.

Via a wired connection (Ethernet)

Proceed as follows.

1. Guide the network cable through the M20 cable gland at the bottom of the EV Wall.
   The diameter of the cable gland is suitable for an RJ45 connector.
2. Tighten the cable gland.

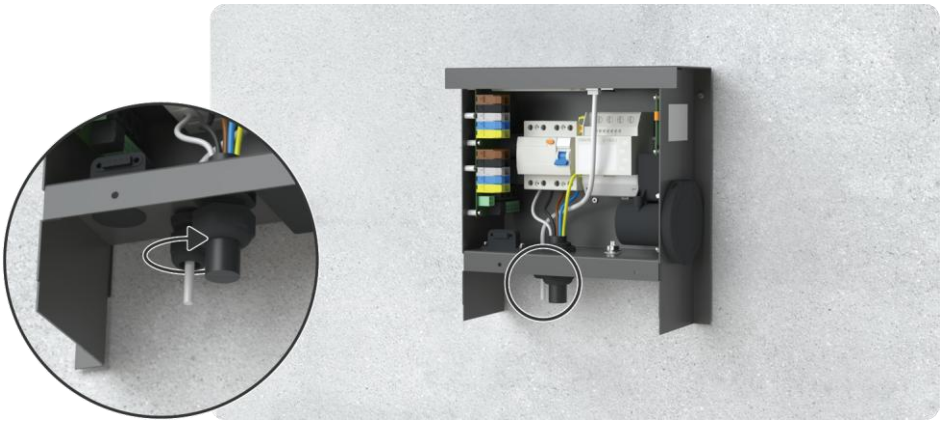


Image 23: Tighten the cable gland

3. If needed, cut the network cable to the necessary length and attach a RJ45 connector (not supplied).
4. Plug the network cable in the left RJ45 port of the charge controller.

Image 24: Connect the network cable

Via a 4G connection

1. Remove the M20 cable gland.

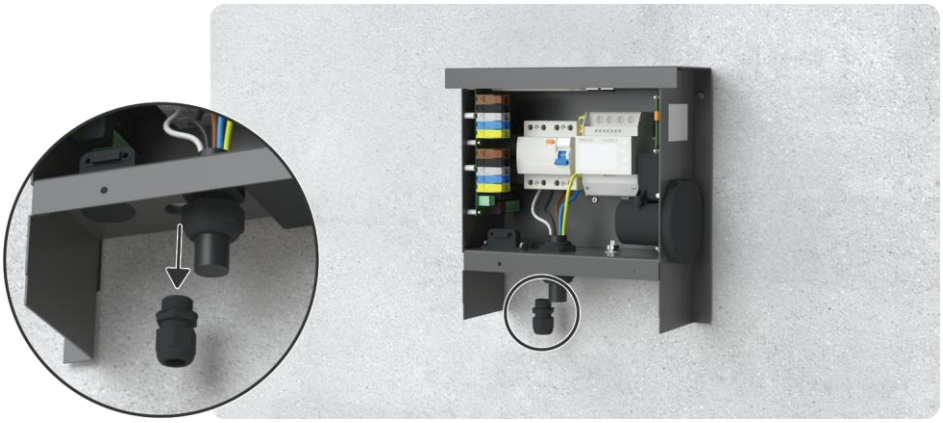


Image 25: Remove the cable gland

2. Install the supplied ⌀ 20 plug to seal the EV Wall.

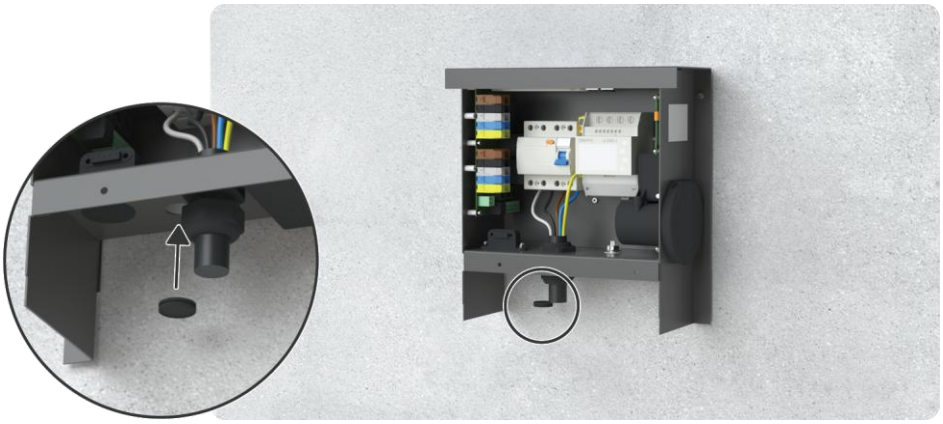


Image 26: Install the plug

5.6 Turn on the EV Wall

⚠	CAUTION Risk of electric shock. Make sure no tools are in the charging station and people stand free from the charging station.

Instructions

1. Make sure the RCD of the charging station is set to ‘On’.
2. Turn on the power supply to the charging station.

Image 27: Turn on the RCD

3. Check the status of the components.

Description	More information
MID meter	Display lights up. 
LCD display	LCD display lights up. Wait approximately 60 seconds to check the network connectivity status in the upper right corner of the LCD display.  

5.7 Install the front plate

When installing the front plate, it's a good idea to place the cardboard box underneath the EV Wall. If you drop a nut, the box will likely catch it.

Context

The front plate has a LED light for the Smappee Avatar.

Instructions

1. Remove the stored nuts from the threaded rods of the front plate.
2. Put the front plate back.

Image 28: Install the front plate

3. Put the nuts on the threaded rods to fix the front plate.

Image 29: Attach the nuts

4. Remove the protective plastic from the display.

As a result, the EV Wall is ready to be configured with the Smappee App.

5.8 Configure the EV Wall with the Smappee App

Instructions

Proceed as follows:

1. Scan the QR code on the front of the charging station with a smartphone.

Figure 30: QR code on the front of the charging station

2. Use the Smappee App to follow the on-screen instructions.

Post-requisites

The settings of the charging station can be adjusted in the Smappee App or the Smappee Dashboard.

- Name
- LED brightness
- Current of the circuit breaker used for the charging station.
  This also determines the maximum charging speed.

5.9 Give the owner a smooth start

1. Handover the Starter box to the charging station owner.

Figure 31: Handover the Starter box

2. Instruct the user to scan the QR code on the front of the charging station with a smartphone and follow the on-screen steps.

Annexes

Phase rotation

Most of the hybrid vehicles use only one phase for charging.

When connected to a single-phase power supply, the Smappee (Cascade) Overload Protection will control the charging sessions on the L1 phase to prevent a circuit breaker from tripping.

When connected to a three-phase power supply, the Smappee (Cascade) Overload Protection can control the charging sessions on each of the three phases. When charging multiple single-phase electric vehicles at the same time, you can use phase 2 and phase 3 by doing the following:

- During the installation you can do the physical phase rotation.
- During the configuration with the Smappee App you need to set the phase mapping

Example of phase rotation

When you have an EV Wall and an EV One, connect the power supply as indicated with the bold Xs.

			3-phase power supply with the colours of the wires to be connected on the position X in the distribution panel		
Charging stations from the Smappee EV Line	**Internal wiring of the phases and their colour in the charging station**		**3 x 400V + N**		
			L1	**L2**	**L3**
			Brown	**Black**	**Grey**
EV Wall	**L1**	**Brown**	**X**	-	-
	L2	**Black**	-	X	-
	L3	**Grey**	-	-	X
EV One	**L1**	**Brown**	-	**X**	-
	L2	**Black**	-	-	X
	L3	**Grey**	X	-	-

Declaration of conformity

Docusign Envelope ID: 397BA539-112B-4EB9-BD4A-9986C9109E7D

EU Declaration of Conformity

Manufacturer **Smappee NV**
Address Evolis 104, 8530 Harelbeke, Belgium

Represented by **Stefan Grosjean**
Function CEO

Hereby declares, under the sole responsibility of the manufacturer, that
The product: AC conductive charging equipment

Models: **EVW4-116-BR-x, EVW4-116-CyR-x, EVW4-116-CSyR-x,**
EVW4-316-BR-x, EVW4-316-CyR-x, EVW4-316-CSyR-x,
EVW4-132-BR-x, EVW4-132-CyR-x, EVW4-332-CSyR-x
EVW4-332-BR-x, EVW4-332-CyR-x, EVW4-332-CSyR-x

where y can be any digit from 2 up till 18, indicating length of charge cable (in m or feet) and x can be B (Black), W (White) or any other combination of up to 3 (alpha)numeric characters to indicate colour options

First CE affixed: 2026

Complies with the requirements of the following EU Directives, provided that it is installed, maintained and used according manufacturer's instructions:

2014/53/EU The Radio Equipment Directive & 2011/65/EU RoHS Directive

Standards applied:

RED art 3.1.a Health and safety:
EN IEC 61851-1 2019 Electric vehicle conductive charging system - General requirements
EN IEC 62311:2020 Human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

RED art 3.1.b Electromagnetic Compatibility:
EN IEC 61851-21-2:2018 EMC requirements for off board electric vehicle charging systems
EN ETSI 301 489-1: 2019 EMC for radio equipment & services: common technical requirements
EN ETSI 301 489-52: 2024 EMC for Cellular Communication User Equipment

RED art 3.2 Efficient use of Radio Spectrum:
EN ETSI 300 220-1: 2017 Short Range Devices - 25 MHz to 1000 MHz: Technical characteristics
EN ETSI 301 908-13: 2019 IMT cellular networks, Evolved Universal Terrestrial Radio Access User Equipment

RED art 3.3.e Network protection
EN 18031-1: 2024 Common security requirements for Internet connected radio equipment

RED art 3.3.f Personal data protection
EN 18031-2: 2024 Common security requirements for radio equipment processing data

RED art 3.3.g Protection from fraud
EN 18031-3: 2024 Common security requirements for Internet connected radio equipment processing virtual money or monetary value

Authorized signatory

Stefan Grosjean, CEO 19-mars-2026

Ondertekend door:
A7AEF5470392469

DoC nr : EU DoC EVW4 v00

smappee

Status of the charging station

The LED indicates the availability status of the charging station.

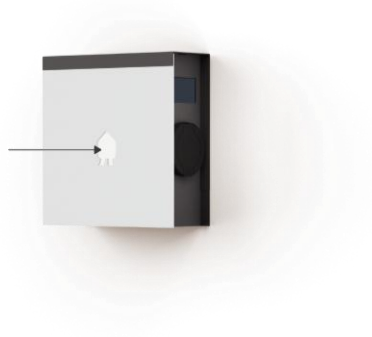
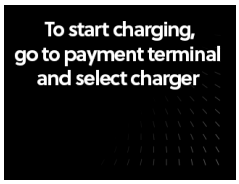
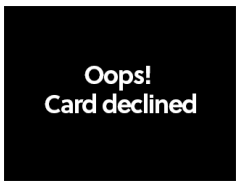


Image 32: Position of the LED on the EV Wall

Colour	Status	Meaning	Action of the user
	White continuous	Charging station is available.	Connect your electric vehicle (EV) with the charging station.

Display information

Image	Explanation
	Default welcome message. Image is configurable using the Smappee Dashboard. 16-Bit image should be maximum 320 x 240 pixels (or smaller).
	Message after plugging in the charging cable and charging station uses authenticated charging. There are three options to start the charging session. Either use a Smappee Pay station.
	Second option when authenticated charging is used. The charging session is started by scanning the QR code on the display.
	Third option when authenticated charging is used. The charging session is started by swiping your RFID card at the display.
	The charging session could not be started. Verify if the charging cable is connected properly and try again.
	Message received when charging station declined your RFID card. Contact the supplier of the RFID card.
	Something is wrong or the charging station has been disabled. Enable the charging station with the Smappee App or contact your installer.

NOTE

You can add additional images through the Smappee Dashboard. All images must be 16-bit and no larger than 320 × 240 pixels.

Maintenance schedule

To ensure safe and reliable operation, periodic maintenance and inspections are recommended. The frequency depends on usage and environmental conditions.

WARNING

Before starting maintenance activities, consider all safety precautions as listed in Safety instructions (page 5).

NOTE

For publicly accessible charging stations, periodic inspections may be required by local regulations. Check applicable guidelines for compliance.

Task	**More information**
Visual inspection of the charging station	Check for visible damage or wear. If necessary, consult an installer for assessment or replacement.
Cleaning	Cleaning is optional and does not affect the operation of the charging station. For aesthetic reasons, you may wipe the unit with a dry, clean cloth. Do not use water jets, solvents, or abrasive materials.
Visual inspection of the connector	Light oxidation inside the connector is normal even with a protective cap, especially in humid climates and rare usage of the cable. It's mostly cosmetic and won't affect charging. Oxidation can be removed using contact cleaner.

Spare parts list

Article no.	EAN	Description
i1-EN3-1	5425036931701	Smappee 3phase MID meter
AC-RCDA-4P40A	5425036935532	RCD Type A 4P 30mA 40A
EV-PCB-RELAYBOARD-2x2P-1	5425036935556	EV Line Relayboard 2 x 2P
EV-PCB-CONTROLBOARD-1	5425036935792	AC Charge controller with 4G modem
EV-PCB-UIBOARD-LCD	5425036935815	UI Board with LCD
EVW-CBL-HOLDER-4	5425036934191	EV Wall Cable holder - 4 pieces
EVW-CBL-T2-332-8-NCH	5425036933620	EV Wall 3-phase 32A Type 2 open-ended charging cable 8m
EVW-CBL-T2-332-8	5425036932470	EV Wall 3-phase 32A Type 2 open-ended charging cable 8m with cable holder
EVW-COVER-B-2	5425036936232	EV Wall Cover Black
EVW-COVER-W-2	5425036936225	EV Wall Cover White
EV-ANTENNA-2	5425036936256	LTE / Wi-Fi antenna 30 cm cable

If you need another part than listed, please contact info@smappee.com.