

# EV Line Product Catalogue

The smartest charging solution for any situation



# Table of contents

## **Smappee EV Line.**

- Intro
- Product range charging stations
- Charging management and services
- Smappee EV Wall
- Smappee EV Base
- Smappee EV Ultra
- Product overview

# Smappee EV Line: truly intelligent EV charging

## Optimal use of your power thanks to load balancing for AC and DC charging.

The Smappee EV Line offers unique smart charging solutions for both homes and businesses and AC and DC charging. Thanks to Smappee's integrated smart energy management technology, EV Line charging stations are equipped with dynamic load balancing and overload protection.

## Up to 6x cheaper by charging with solar or off-peak power.


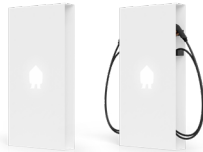

Smappee offers a simple way to maximise the use of renewable energy throughout the day for each charging session. In this way, you optimise your self-sufficiency and save costs. When solar is not available, Smappee considers off-peak energy or dynamic and capacity rates to charge the cars with the cheapest energy and keep your load peaks under control.

## Scalable and future-proof.

Smappee EV Line charging stations are compatible with Smappee Infinity. This way you can optimise your energy consumption and your charging square will be in perfect harmony with your other energy flows. Want more charging stations or more control over time? No problem. Build on your existing installation via the modular Smappee ecosystem. Thanks to the over-the-air updates you will never have to worry about outdated technology.



# A charging solution for every charging need.

	EV Wall			EV Base	EV Ultra
					
	<b>EV Wall <sup>HOME</sup></b> Smart charging at home	<b>EV Wall <sup>LITE</sup> / PROJECTS ONLY</b> Simply charging at home	<b>EV Wall <sup>BUSINESS</sup></b> Compact smart charging at business	Smart charging at business	Fast DC charging at squares
Charge mode	AC	AC	AC	AC	DC fast charging
Max charging capacity	1 or 3 phase, up to 7.4 or 22 kW	3 phase, up to 22 kW	3 phase, up to 22 kW	2 x 3 phase, up to 22 kW	Up to 80 or 200 kW
Connectors	Socket or cable 8 m	Socket	Socket or cable 8 m	2 sockets or cables 5 m	Cable 3.25 m
Mounting method	Wall-mounted	Wall-mounted	Wall-mounted	Floor	Floor
Dimensions	300 x 300 x 110 mm	300 x 300 x 110 mm	300 x 300 x 110 mm	1200 x 600 x 150 mm	1860 x 920 x 290 mm
Use	Home	Home	Charging square	Charging square	Charging square
<b>Features &amp; services</b>					
Overload protection	Autonomous	Fixed max current	When combined with Infinity	When combined with Infinity	When combined with Infinity
Building energy management	Included	No	When combined with Infinity	When combined with Infinity	When combined with Infinity
Solar optimisation	Included	No	When combined with Infinity	When combined with Infinity	N/A
Charging cost optimisation (off-peak, dynamic, capacity)	Included	No	When combined with Infinity	When combined with Infinity	N/A
App / Dashboard	Included	Limited	Included	Included	Included
Charging data	Included	No	Included	Included	Included
Over-the-air-updates	Included	Included	Included	Included	Included
Upgradable	Included	Yes	Included	Included	Included
Connectivity	Wi-Fi, Ethernet	Wi-Fi, Ethernet	Ethernet	Ethernet	Ethernet, 4G
Session activation	RFID, QR code	RFID, QR code	RFID, QR code	RFID, QR code	RFID, QR code

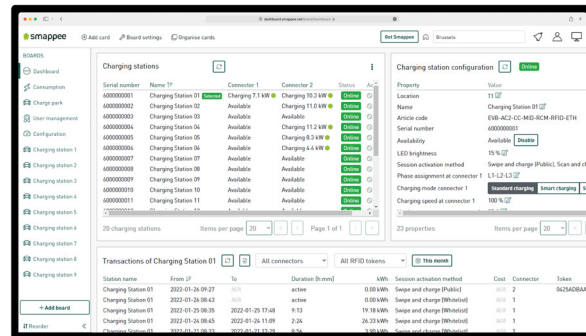


# Powerful EV charging management platform.

When you buy a Smappee smart charging solution, you also get immediate access to our complete charging management platform. It takes care of all aspects related to electric charging. The Smappee Dashboard offers numerous features that help manage and operate your charging stations or charging square.

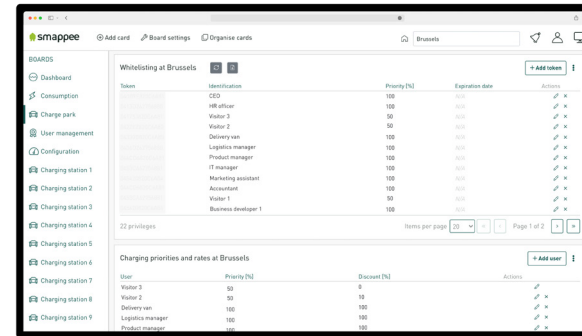
## Manage each charging point remotely.

As soon as you place multiple charging points on your premises where different users come to charge, you need more control. The Smappee smart charging platform offers that control... and more. Use the Smappee Dashboard to add priority charging, set tariffs, close your charging stations outside office hours, etc. In addition, you can track the status of all your charging points in real-time and quickly solve problems remotely.



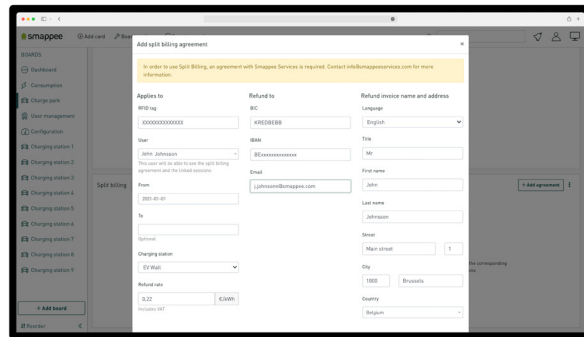
## Priorities and whitelisting.

Easily manage charging revenues by applying different charging rates and priorities down to user level. Via the Smappee Dashboard you can allocate priorities to the Smappee Smart Charge Cards. That way, your sales team or visitor is on the road again fully charged in no time. Or whitelist the Smappee RFID cards for your employees and visitors to charge for free or at a reduced rate on your charging square. The possibilities are many.



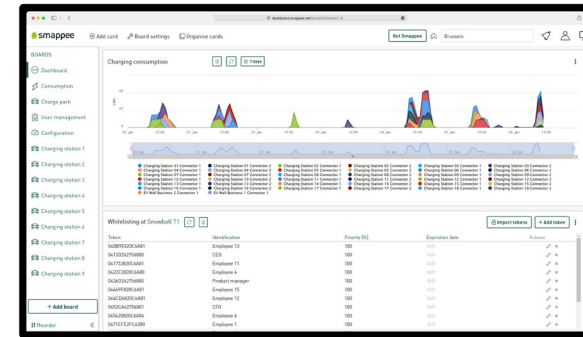
## Charging costs and split billing.

Get an extensive overview of charging sessions, costs, and revenues per charging point via the Smappee Dashboard. Manage every charging point, on premise or remotely at your employee's house, and easily offer split billing based on the data in the dashboard. That way, you can reimburse your employees for the charges at home or bill them correctly for the charging sessions at your charging square.

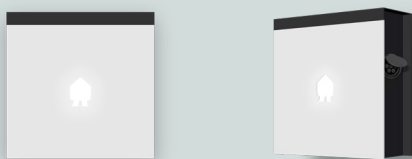


## Smappee CPO services.

Choose Smappee for a simple and easy all-in-one payment solution. The Smappee CPO services take care of the payment and invoicing of the charges at your charging stations. EV drivers can charge using their charge cards. Smappee will then reimburse you for the charges periodically.



# Smappee EV Wall LITE / PROJECTS ONLY



- Real-time and historical charging costs.
- Manually set up overload protection with fixed maximum current.
- Control charging sessions with QR code, RFID.
- Easy and simple to install.
- Secure OCPP and OCPP roaming.

The Smappee EV Wall Lite is a wall-mounted EV charging station with socket for standalone use at home. It provides overload protection by manually setting a fixed maximum current. The EV Wall Lite is easy to install with simple cable configuration and installation wizard. The integrated LED lighting indicates charging status. Charging sessions can be started and stopped via QR code, RFID. Receive detailed insights on your charging process and costs via the Smappee App.

**Dimensions:**

300 × 300 × 110 mm (station)

**Weight:**

6.2 kg

**Operating temperature:**

-25 °C to 40 °C

**Storage temperature:**

-25 °C to 60 °C

**Relative humidity:**

0 % - 95 %, non-condensing

**Operating altitude:**

0 - 2,000 m

**Standards:**

IEC 61851-1

**Product certifications:**

CE

**Connectivity:**

- Wi-Fi 2.4 GHz

- Ethernet 100BASE-T

**Communication protocol:**

OCPP 1.6 J, ready for update to OCPP 2.0.1

**Mounting method:**

Wall

**Enclosure:**

- Material: Magnelis (structure), aluminium (front plate)
- Rating: IP54 / IK10
- Standard colours: RAL9016 (star white) + RAL7021 (black grey)

**Integrated Residual Current Protection:**

Rated operating residual current detection:  
6 mA DC

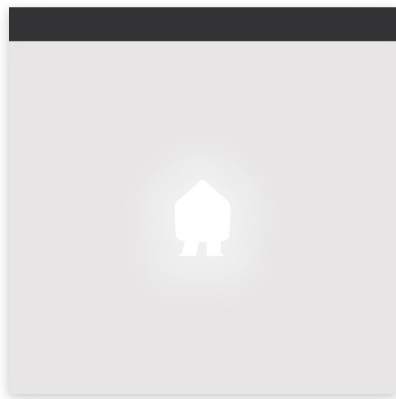
**Charging:**

- Maximum charging capacity: 22 kW
- Output power: 230 V – 400 V, 32 A
- Charge mode: Mode 3 (IEC 61851)
- Charging activation: QR code / Plug and charge / RFID
- Information status: RGB LED
- kWh meter compliant with IEC 62053-21

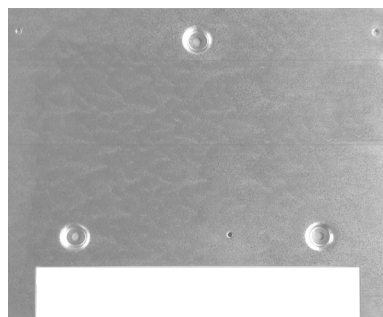
**Connectors:**

- 1 × type 2 socket (right) – optional shutter

## EV Wall Lite - What's in the box?



EV Wall Lite



EV Wall mounting plate



Quick Starter Guide



Quick Install Guide



Smart Charge Card



Screw & plug



Small screw



QR code sticker



# Smappee EV Wall <sup>HOME</sup>



- Integrated local autonomous overload protection and solar optimisation.
- Insights and control over charging process and costs.
- Real-time and historical energy data - grid, solar, always-on.
- Control charging sessions with QR code, RFID and smart schedules.
- Easily expandable with Smappee Infinity for more home energy management.
- Secure OCPP and OCPP roaming.

The Smappee EV Wall Home is, a wall-mounted smart EV charging station with one connector, for standalone use at home. Thanks to the integrated Smappee Infinity technology it ensures autonomous overload protection and optimised self-consumption. Receive detailed insights on your energy usage and production, the charging process and costs via the App and Dashboard. The EV Wall Home is easy to install with simple cable configuration and installation wizard. The integrated LED lighting indicates charging status. It comes with a fixed cable or socket. Charging sessions can be started and stopped via QR code, RFID and smart EV schedules.

## Dimensions:

- 300 × 300 × 110 mm (station)
- Socket or charging cable 8 m with cable holder

## Weight:

- EV Wall station: 5.3 kg
- EV Wall incl. 1 fixed cable (8 m): 9.8 kg
- EV Wall incl. 1 socket: 6.2 kg

## Operating temperature:

-25 °C to 40 °C

## Storage temperature:

-25 °C to 60 °C

## Relative humidity:

0 % - 95 %, non-condensing

## Operating altitude:

0 - 2,000 m

## Standards:

IEC 61851-1

## Product certifications:

CE

## Connectivity:

- Wi-Fi 2.4 GHz
- Ethernet 100BASE-T

## Communication protocol:

OCPP 1.6 J, ready for update to OCPP 2.0.1

## Mounting method:

Wall

## Enclosure:

- Material: Magnelis (structure), aluminium (front plate)
- Rating: IP54 / IK10
- Standard colours: RAL9016 (star white) + RAL7021 (black grey)

## Integrated Residual Current Protection:

Rated operating residual current detection:  
6 mA DC / 30 mA RCD Type A

## Integrated Energy Management:

Grid & solar measurements

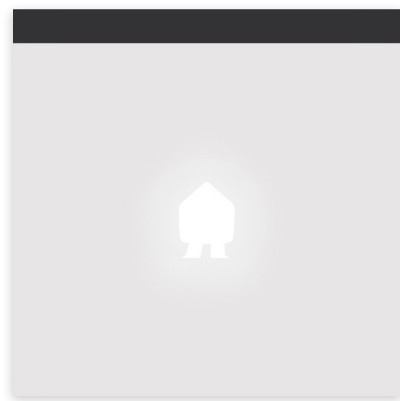
## Charging:

- Maximum charging capacity:  
Single or 3 phase, 7.4 to 22 kW
- Output power: Single or 3 phase,  
230 V – 400 V, 32 A
- Charge mode: Mode 3 (IEC 61851)
- Charging activation: QR code / Plug  
and charge / RFID
- Information status: RGB LED
- kWh meter compliant with IEC 62053-21

## Connectors:

- 1 × fixed cable with type 2 connector (right)
- 1 × type 2 socket (right) - optional shutter

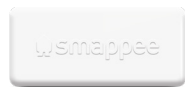
## EV Wall Home - What's in the box?



EV Wall Home



EV Wall  
splitter



CT Hub



DIN mounting  
plate



CT 50A



Connect



RJ10 cable 40 cm



Wall mounting  
plate



RJ10 cable 150 cm



Quick Starter  
Guide



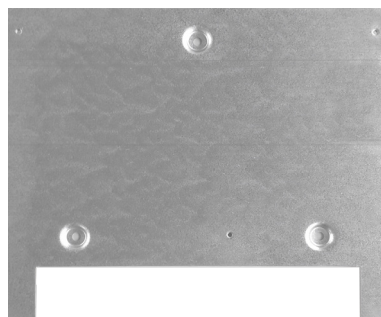
QR code sticker



Quick Install  
Guide



Smart Charge Card



EV Wall mounting plate



Bus termination plug

In case of cable version,  
additional components:



8m charging cable



Screw & plug



Cable holder



Small screw



Cable gland



Cable tie



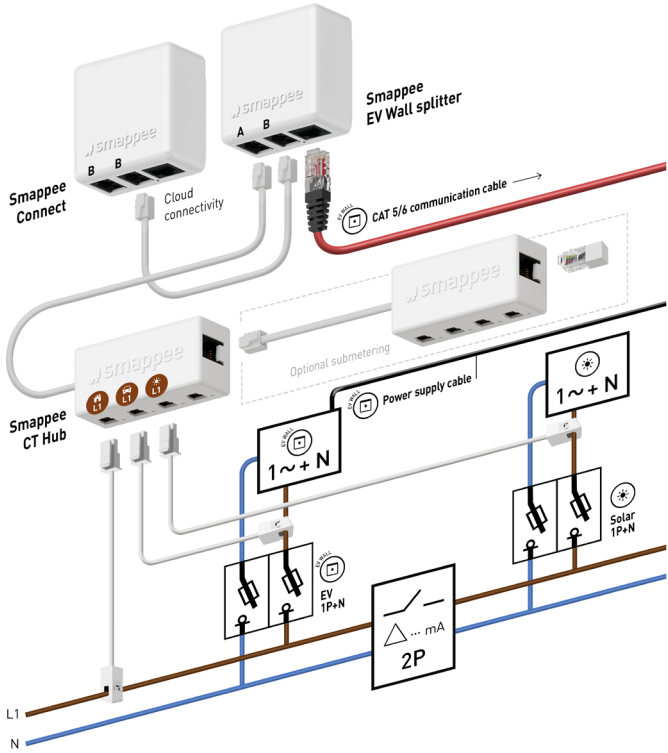
CT 50A



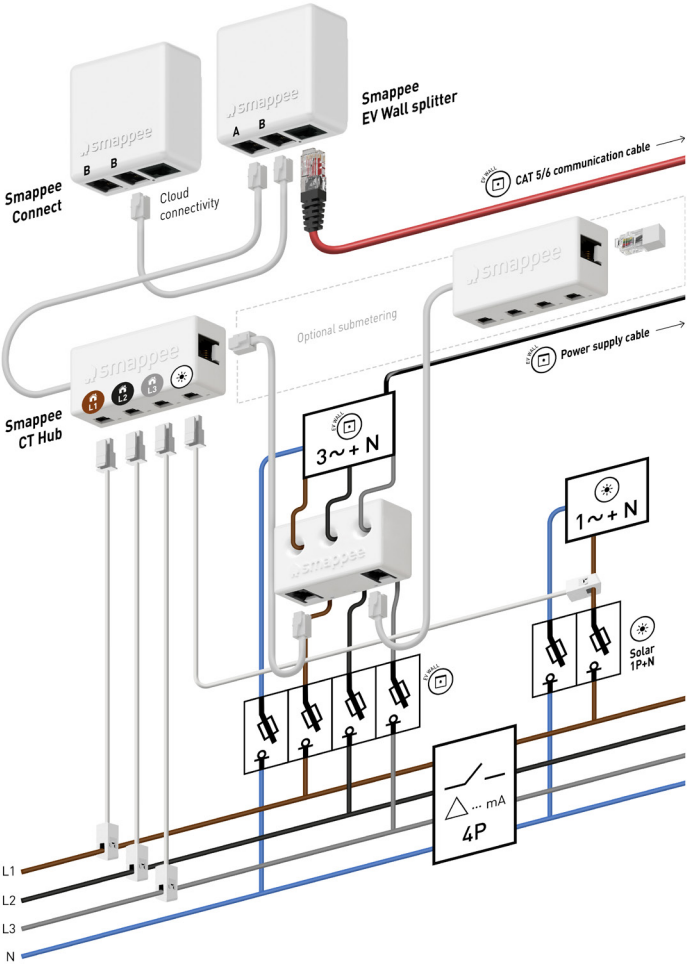
Solid Core 3-phase CT

In case of three phase connection set-up,  
additional components:

EV Wall Home single phase connection diagram.



EV Wall Home three phase connection diagram.



# Smappee EV Wall <sup>BUSSINESS</sup>



- Solar optimisation and autonomous overload protection.
- Real-time and historical charging costs.
- Control charging sessions with QR code, RFID or smart schedules.
- Integrated MID-meter for MID-graded invoicing.
- Works stand-alone or combined with Smappee Infinity for smart features.
- Secure OCPP and OCPP roaming.

The Smappee EV Wall Business is a wall-mounted smart EV charging station with one connector, to use in a multiple setup in a business environment. When combined with Smappee Infinity it ensures autonomous overload protection and optimised selfconsumption. Receive detailed insights on your charging process and costs via the App and Dashboard. The EV Wall Bussiness is easy to install with simple cable configuration and installation wizard. The integrated LED lighting indicates charging status. It comes with a fixed cable or socket and offers multiple payment options via QR code or RFID.

## Dimensions:

- 300 × 300 × 110 mm (station)
- Socket or charging cable 8 m with cable holder

## Weight:

- EV Wall station: 5.3 kg
- EV Wall incl. 1 fixed cable (8 m): 9.8 kg
- EV Wall incl. 1 socket: 6.2 kg

## Operating temperature:

-25 °C to 40 °C

## Storage temperature:

-25 °C to 60 °C

## Relative humidity:

0 % - 95 %, non-condensing

## Operating altitude:

0 - 2,000 m

## Standards:

IEC 61851-1

## Product certifications:

CE

## Connectivity:

- Ethernet 100BASE-T

## Communication protocol:

OCPP 1.6 J, ready for update to OCPP 2.0.1

## Mounting method:

Wall

## Enclosure:

- Material: steel (structure), aluminium (front plate)
- Rating: IP54 / IK10
- Standard colours: RAL9016 (star white) + RAL7021 (black grey)

## Integrated Residual Current Protection:

Rated operating residual current detection:  
6 mA DC / 30 mA RCD Type A

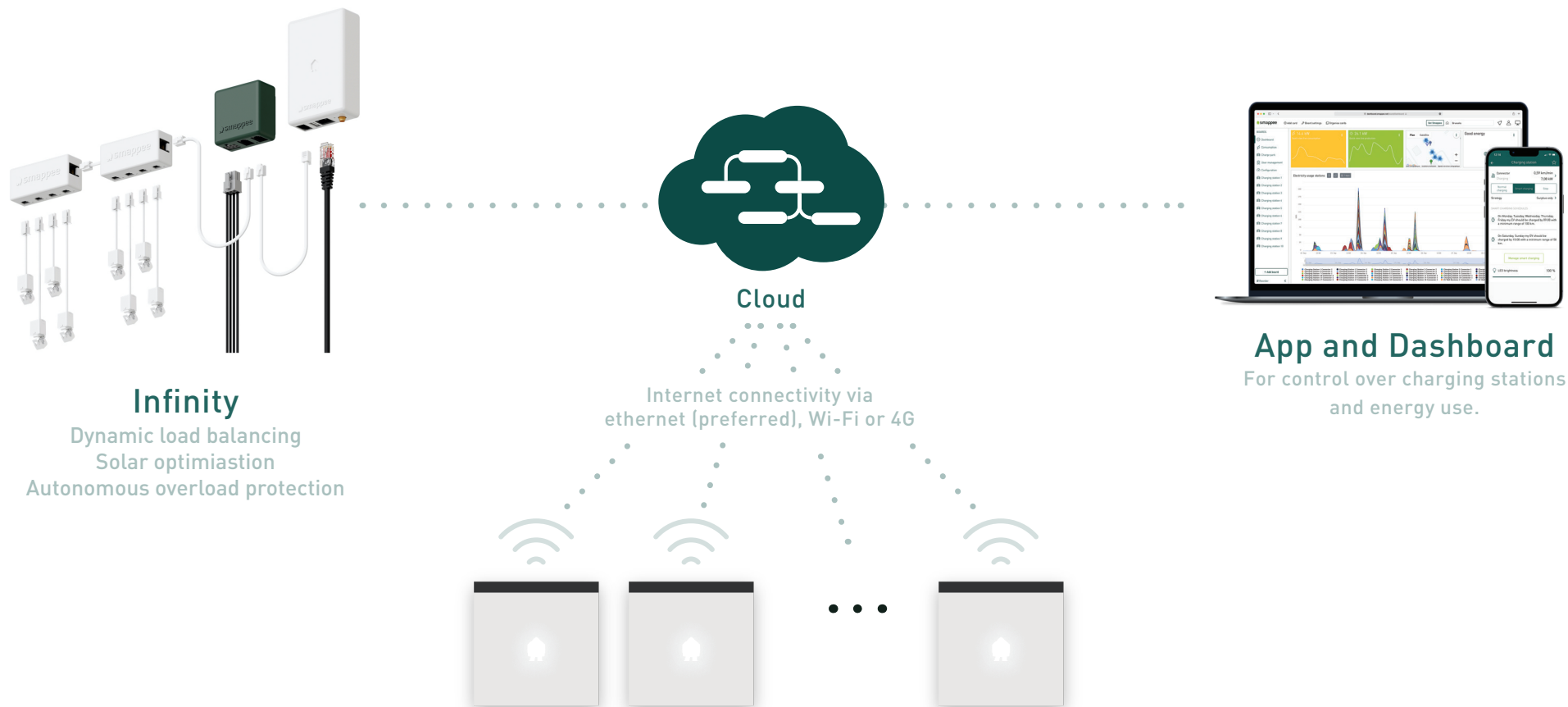
## Charging:

- Maximum charging capacity: 22 kW
- Output power: Single or 3 phase, 230 V – 400 V, 32 A
- Charge mode: Mode 3 (IEC 61851)
- Charging activation: QR code / Plug and charge / RFID
- Information status: RGB LED
- MID metering, certified class B

## Connectors:

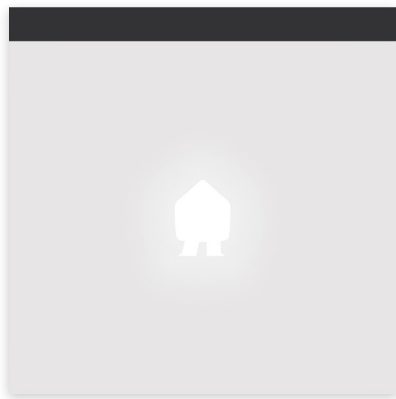
- 1 × fixed cable with type 2 connector (right)
- 1 × type 2 socket (right) - optional shutter

## EV Wall Business basic set-up.





## EV Wall Business - What's in the box?



EV Wall Business



Quick Starter Guide



Quick Install Guide



Smart Charge Card



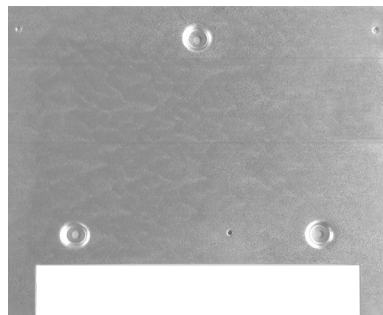
Screw & plug



Small screw



QR code sticker



EV Wall mounting plate

In case of cable version,  
additional components:



8m charging cable



Cable holder

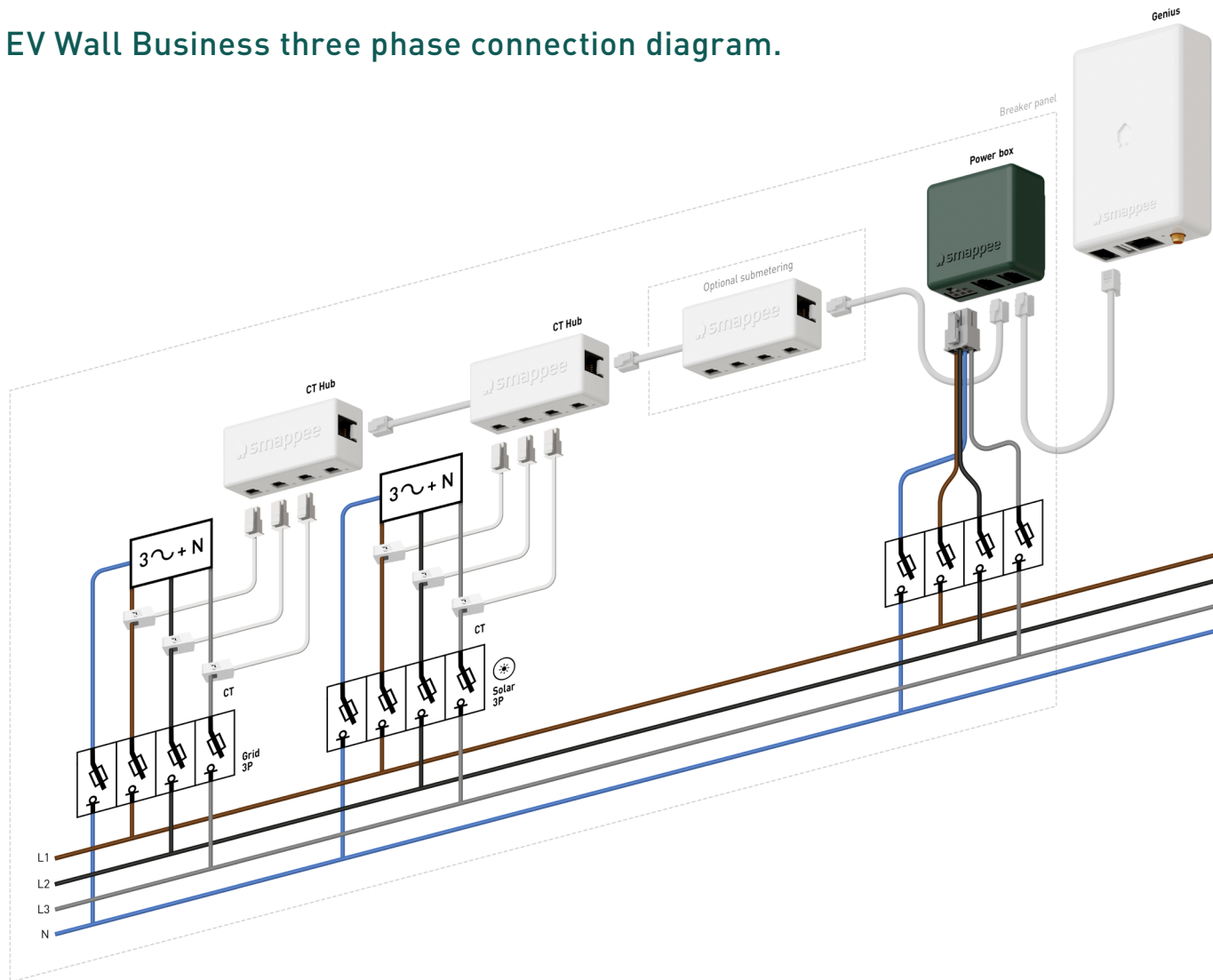


Cable gland



Cable tie

## EV Wall Business three phase connection diagram.



The Smappee EV Wall Business is connected directly to the Smappee Cloud via a network cable. We use the measurements of the Smappee Infinity installed in the low voltage cabinet to do the Dynamic Load Balancing. The Smappee Infinity is also connected to the network. In general we measure the total consumption and the total production. The basic components are always the same: Genius, Power box, CT-Hub x 2 and the type of the CT's or rogowski coils (up to 10.000 A) depend on the Grid/ Solar we need to measure. Smappee automatically adjusts the charging capacity of any of your charging stations to fit your energy needs!

# Smappee EV Base



- Solar optimisation and autonomous overload protection.
- Real-time and historical charging costs.
- Priority charging, multiple rates and easy payment options with QR code or RFID.
- Works stand-alone or combined with Smappee Infinity for smart features.

The Smappee EV Base is a floor-mounted smart EV charging station with two connectors. When combined with Smappee Infinity, it offers smart charging, ensuring optimised self-consumption and autonomous overload protection. Users and operators receive detailed insights in the charging process and costs via the App and Dashboard. The EV Base is easy to install with simple cable configuration and installation wizard. The integrated LED lighting indicates charging status and ensures sufficient visibility in the parking area. It comes with fixed cables or sockets and offers multiple payment options via QR codes or RFID.

**Dimensions:**

- 1200 × 600 × 150 mm (station)
- Charging cable 5 m

**Weight:**

- EV Base station: 34 kg
- Cable 5 m: 3 kg

**Operating temperature:**

-25 °C to 40 °C

**Storage temperature:**

-25 °C to 60 °C

**Relative humidity:**

0 % - 95 %, non-condensing

**Operating altitude:**

0 - 2,000 m

**Standards:**

IEC 61851-1

**Product certifications:**

CE

**Connectivity:**

- Ethernet 100BASE-T

**Communication protocol:**

OCPP 1.6 J, ready for update to OCPP 2.0.1

**Mounting method:**

Floor

**Enclosure:**

- Material: Magnelis (structure), aluminium (back plate)
- Rating: IP54 / IK10
- Standard: RAL9016 (star white)  
+ RAL7021 (black grey)

**Integrated Residual Current Protection:**

Rated operating residual current detection:  
6 mA DC / 30 mA RCD Type A

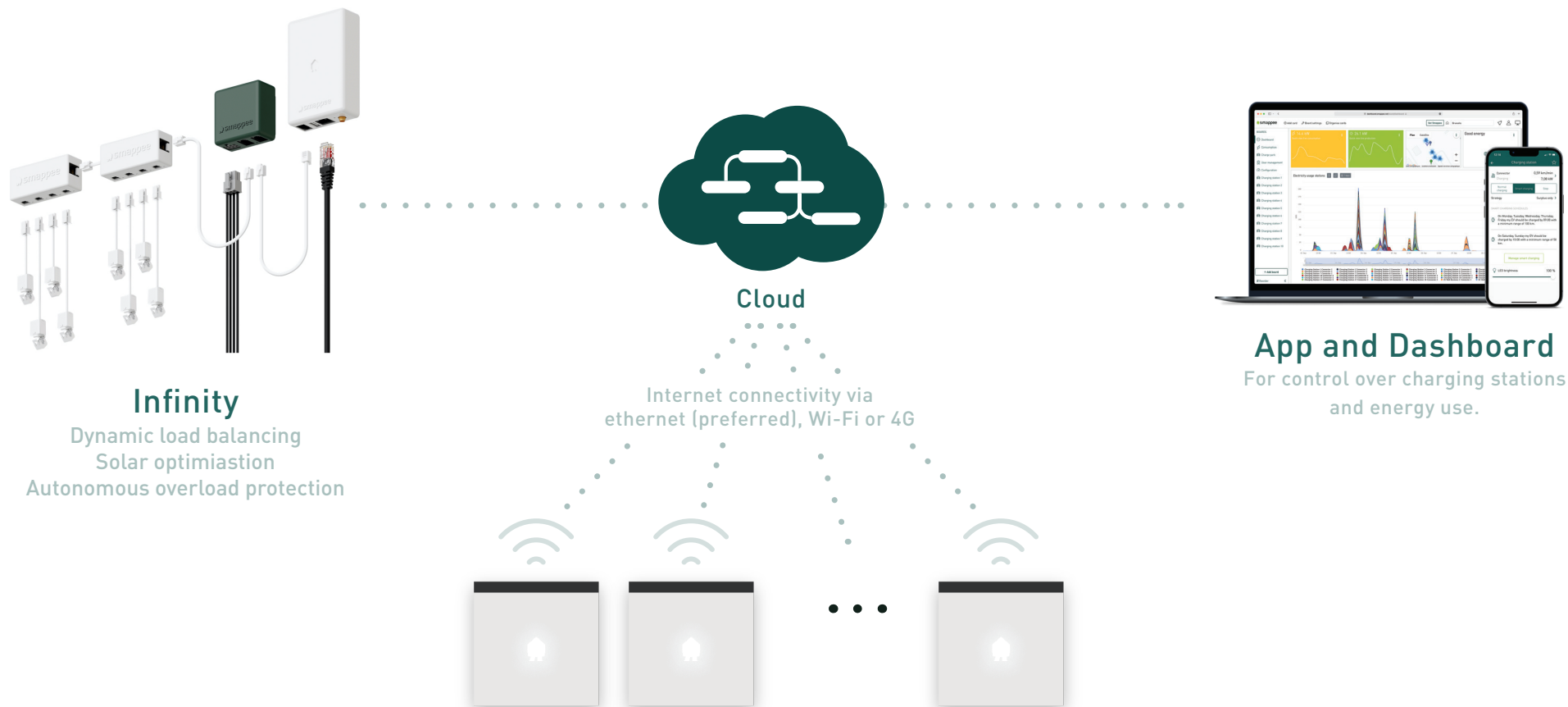
**Charging:**

- Maximum charging capacity:  
22 kW per connector
- Output power: 230 V – 400 V, 32 A
- Charge mode: Mode 3 (IEC 61851)
- Charging activation: QR code / Plug and charge / RFID
- Information status: RGB LED
- MID metering, certified class B

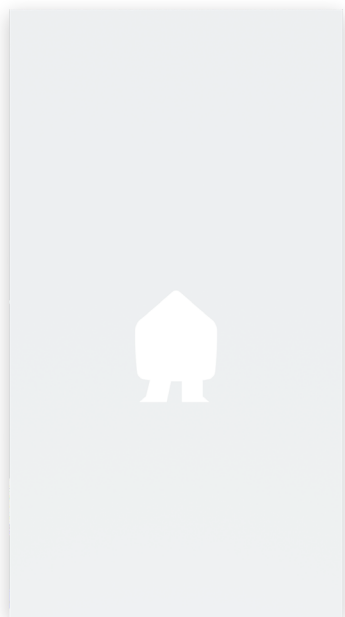
**Connectors:**

- 2 × fixed cable with type 2 connector
- 2 x type 2 socket - optional shutter

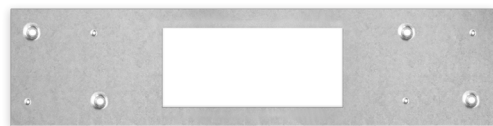
## EV Base basic set-up.



## EV Base - What's in the box?



EV Base unit



Floor plate



×2

QR code sticker



Quick Install  
Guide



×4

Concrete  
anchors



×4

Washers



×4

Screws



×4

Washers

In case of fixed cable version:



×2

Open-ended 5m charging cable



×2

Cable gland

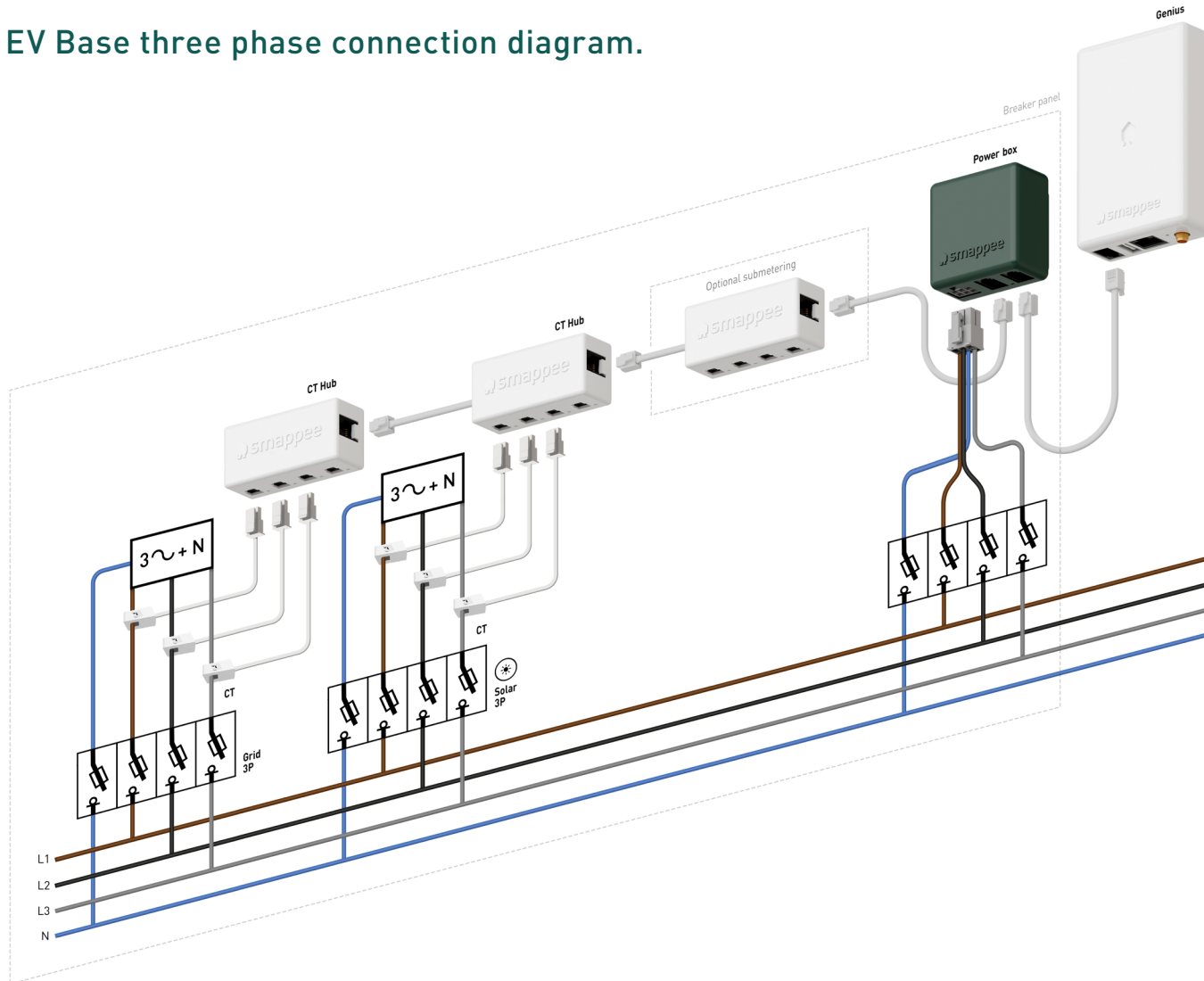


×2

Cable tie

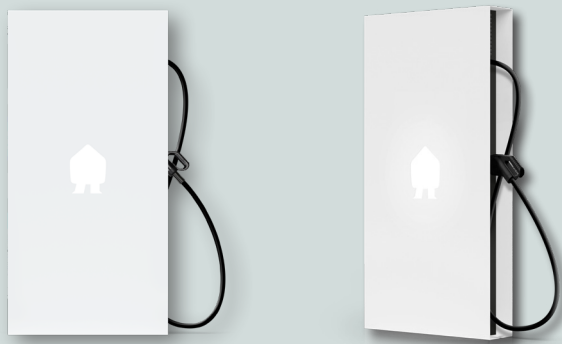


## EV Base three phase connection diagram.



The Smappee EV Base is connected directly to the Smappee Cloud via a network cable. We use the measurements of the Smappee Infinity installed in the low voltage cabinet to do the Dynamic Load Balancing. The Smappee Infinity is also connected to the network. In general we measure the total consumption and the total production. The basic components are always the same: Genius, Power box, CT-Hub x 2 and the type of the CT's or rogowski coils (up to 10.000 A) depend on the Grid/ Solar we need to measure. Smappee automatically adjusts the charging capacity of any of your charging stations to fit your energy needs!

# Smappee EV Ultra



- Fast DC charging for CCS2 vehicles.
- Dynamic and cluster load balancing of Smappee EV Line.
- Priority charging, multiple rates and easy payment options with QR code or RFID.
- Elegant design with LED lighting for increased visibility and security.
- Easy smart charging management with one single platform.

The Smappee EV Ultra is a floor-mounted fast charger with one CCS2 connector to use in a multiple setup in a business environment. When combined with Smappee Infinity it ensures autonomous overload protection. Smappee's smart charging platform offers users and operators detailed data on the charging process and costs and allows for remote control over multiple charging points. Payments are made via QR code or RFID token. The integrated LED indicates charging status and offers visibility and safety in the parking area. Its robust all-weather enclosure, high-quality materials, modular set-up, and over-the-air updates make the EV Ultra durable and future-proof.

## Dimensions:

- 1860 × 920 × 290 mm (station)
- Charging cable 3.25 m

## Weight:

- EV Ultra station:  
250 kg (200S) - 200 kg (80S)
- Cable 3.25 m: 9 kg

## Operating temperature:

- 25 °C to 40 °C (50 °C with derating)

## Storage temperature:

- 25 °C to 60 °C

## Relative humidity:

- 0 % - 95 %, non-condensing

## Operating altitude:

- 0 - 2,000 m

## Standards:

- IEC 61851-21, ISO 15118

## Product certifications:

- CE

## Connectivity:

- Ethernet 100BASE-T
- LTE CAT M1 (4G)

## Communication protocol:

- OCPP 1.6 J, ready for update to OCPP 2.0.1

## Mounting method:

- Floor

## Enclosure:

- Material: Magnelis
- Standard colours: RAL9016 (star white) + RAL7021 (black grey)
- Rating: IP 54 / IK 10
- Acoustic noise: 0 dB - 60 dB
- Indoor / outdoor use

## Nominal input:

- Power supply: 3P
- Rated voltage (Un): 400 Vac ± 10 %
- Rated frequency (fn): 50 Hz
- Nominal input current:  
300 A (200S) - 125 A (80S)
- Power factor: > 0.98 at full capacity
- Efficiency: 95 % at full capacity
- Connection method: AC, permanently connected

## DC Output:

- Charge mode: Mode 4 (IEC 61851)
- DC Plug: CCS2
- Connection case: Case C (fixed cable)
- Maximum current: 400 A (200S) - 200 A (80S)
- Nominal power: 200 kW (200S) - 80 kW (80S) at 400 V - 1,000 V

## Interfaces:

- Information status: RGB LED
- Session activation: QR code / RFID

# Smappee EV Line product overview.

## EV Wall <sup>LITE</sup>

	EAN	Description	Sales Price
EVWL-332-BR-E-W	5425036933989	EV Wall Lite White 3-Phase 22 kW Socket	Contact your Smappee Business Developer
EVWL-332-BSR-E-W	5425036933996	EV Wall Lite White 3-Phase 22 kW Socket with shutter	

## EV Wall <sup>HOME</sup>

	EAN	Description	Sales Price
EVW-132-BR-E-W	5425036931916	EV Wall Home White 1-Phase 7.4 kW Socket	Contact your Smappee Business Developer
EVW-132-BSR-E-W	5425036932722	EV Wall Home White 1-Phase 7.4 kW Socket with shutter	
EVW-132-C8R-E-W	5425036931992	EV Wall Home White 1-Phase 7.4 kW Type 2 cable 8 m with cable holder	
EVW-332-BR-E-W	5425036932036	EV Wall Home White 3-Phase 22 kW Socket	
EVW-332-BSR-E-W	5425036932739	EV Wall Home White 3-Phase 22 kW Socket with shutter	
EVW-332-C8R-E-W	5425036932111	EV Wall Home White 3-Phase 22 kW Type 2 cable 8 m with cable holder	

## EV Wall <sup>BUSINESS</sup>

	EAN	Description	Sales Price
EVWB-332-BR-E-W	5425036932159	EV Wall Business White 3-Phase 22 kW Socket	Contact your Smappee Business Developer
EVWB-332-BSR-E-W	5425036932746	EV Wall Business White 3-Phase 22 kW Socket with shutter	
EVWB-332-C8R-E-W	5425036932234	EV Wall Business White 3-Phase 22 kW Type 2 cable 8 m with cable holder	

## EV Base

	EAN	Description	Sales Price
EVB-2332-B-E	5425036932272	EV Base 3-Phase 2 x 22 kW Socket	Contact your Smappee Business Developer
EVB-2332-BS-E	5425036932753	EV Base 3-Phase 2 x 22 kW Socket with shutter	
EVB-2332-C5-E	5425036932296	EV Base 3-Phase 2 x 22 kW Type 2 cable 5 m	

## EV Ultra

	EAN	Description	Sales Price
EVBU-80-CCS3R	5425036933873	EV Ultra 80S	Contact your Smappee Business Developer
EVBU-200-CCS3R	5425036933767	EV Ultra 200S	

## Accessories.

	EAN	Description	Sales Price
EVW-SOLAR	5425036932364	EV Wall Solar add-on (1 x Smappee CT Hub + 2 x 50 A Current Transformers)	Contact your Smappee Business Developer
EV-RFID-CARDS-10	5425036931879	RFID package of 10 Smappee RFID cards	
EV-CBL-HOLDER	542503693346	EV Line cable holder	
EVW-COVER-W	542503693353	EV Wall White front plate	
EV-100A-KIT	5425036934009	EV Line 100 A Kit	

## Extended warranty.

	EAN	Description	Sales Price
EV-WARRANTY-5	5425036932609	Warranty extension to a maximum of 5 years <ul style="list-style-type: none"><li>• Only applicable on Smappee Charging stations</li><li>• Purchased at ordering time, cannot be purchased afterwards</li><li>• Is subject to details and conditions of <a href="https://www.smappee.com/conditions">www.smappee.com/conditions</a>, in particular section 7 and 8</li></ul>	Contact your Smappee Business Developer

## Charging Packages.

### Charge Point Operator Smappee - Make your EV Charger available for third parties

- Smappee CPO services, allowing 3<sup>rd</sup> party RFID cards
- 10% cost per transaction
- A base fee of 5 EUR per month per AC connector / 20 EUR per month per DC connector
- Invoiced/credited monthly

Via Smappee Services more info how to enable on Smappee Help Center.

### Split billing - Reimburse your employees for the charges at home

- Smappee Split billing - charge with assigned RFID Card
- A base fee of 5 EUR per month per employee
- Invoiced/credited monthly

Via by Smappee Services more info how to enable on Smappee Help Center.



## EV Line dummy charging stations.

	EAN	Description	Sales Price
DUMMY-EVB-2B	5425036933675	Dummy EV Base 2 x Socket	Contact your Smappee Business Developer
DUMMY-EVB-2BS	5425036933682	Dummy EV Base 2 x Socket with shutter	
DUMMY-EVB-2C5	5425036933682	Dummy EV Base 2 x Type 2 cable 5m	
DUMMY-EVW-BR	5425036933156	Dummy EV Wall Socket	
DUMMY-EVW-BSR	5425036933224	Dummy EV Wall Socket with shutter	
DUMMY-EVW-C8R	5425036933224	Dummy EV Wall Type 2 cable 8m	

Dummy charging stations have a working LED, but cannot charge an electric car. Power cord not included.

## General terms and conditions.

[www.smappee.com/conditions](https://www.smappee.com/conditions)