

# Smappee EV Line

The smartest charging solution for any situation.



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# 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, all EV Line charging stations are equipped with dynamic load balancing and overload protection.

## **Up to 60% cheaper by charging with solar or off-peak power.**



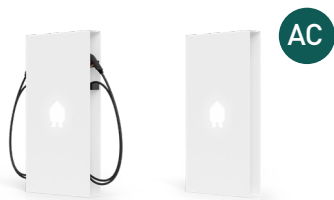

Smappee offers a simple way to maximise the use of renewable energy throughout the day for each charging session. In this way, you optimise your self-sufficiency and save costs. When solar is not available, Smappee considers off-peak energy or variable and capacity rates to charge the cars with the cheapest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

## **Scalable and future-proof.**

All 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 Thanks to the remote updates you will never have to worry about outdated technology.



# A charging solution for every charging need.

	Home	Business		
				
	<b>Smappee EV Wall</b>	<b>Smappee EV Wall Business</b>	<b>Smappee EV Base</b>	<b>Smappee EV Base Ultra</b>
<b>Use</b>	For single use	Mainly for multiple use	Mainly for multiple use	Mainly for multiple use or combined with other chargers (AC and DC), for fast charging, for companies or charging squares.
<b>Infinity components</b>	Included	Not included (to be bought separately, required modules depending on situation)	Not included (to be bought separately, required modules depending on situation)	Not included (to be bought separately, required modules depending on situation)
<b>App and Dashboard</b>	Yes	Yes	Yes	Yes
<b>Payment options</b>	QR code or RFID	QR code or RFID	QR code or RFID	QR code or RFID
<b>Extra subscription fee</b>	No	No	No	No
<b>Charging data</b>	Yes	Yes	Yes	Yes
<b>Energy data</b>	Yes	Yes	Yes	Yes
<b>Solar optimisation</b>	Yes	Yes	Yes	Yes
<b>Overload protection</b>	Yes	Yes	Yes	Yes
<b>H/BEMS</b>	Included	Not included	Not included	Not included
<b>Charging square</b>	No	Yes	Yes	Yes

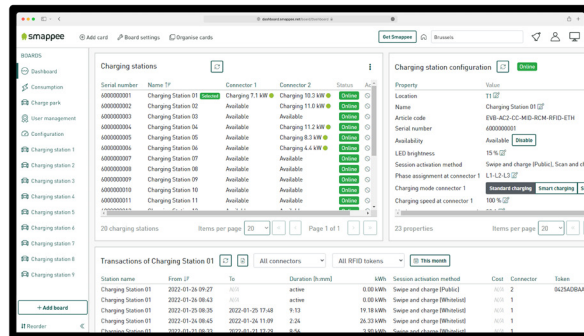


# Powerful EV charging management platform.

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.

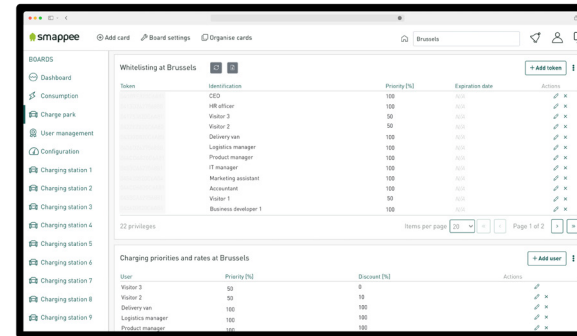
## Manage each charging point remotely.

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.



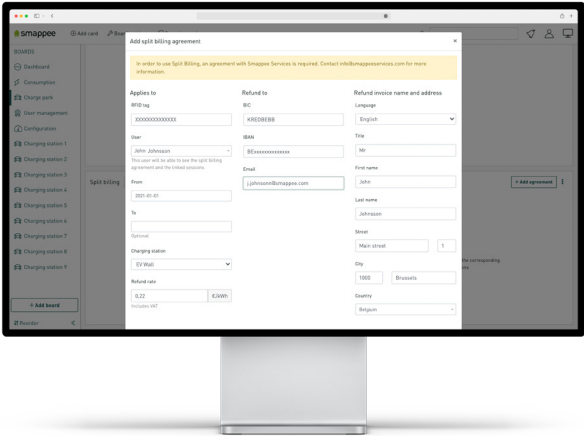
## Priorities and whitelisting.

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.



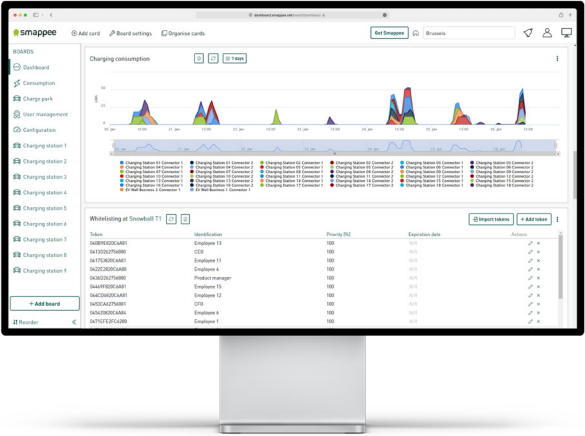
## Charging costs and split billing.

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.

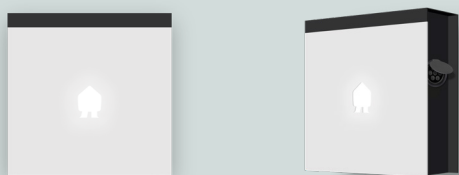


## Smappee e-mobility services.

The Smappee charging management platform also offers e-mobility 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.



- 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 RFID and smart schedules.
- Easily expandable with Smappee Infinity for more home energy management.

The Smappee EV Wall 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 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 1.6J

## 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

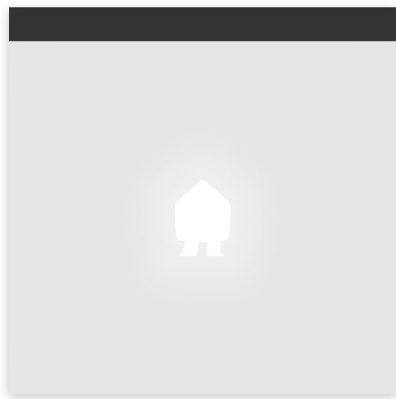
## Charging:

- Maximum charging capacity: 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)

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



EV Wall



EV Wall splitter



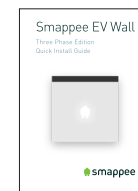
DIN mounting plate



Connect



Wall mounting plate



Quick Install Guide



Quick Starter Guide



CT Hub



CT 50A



RJ10 cable  
40 cm



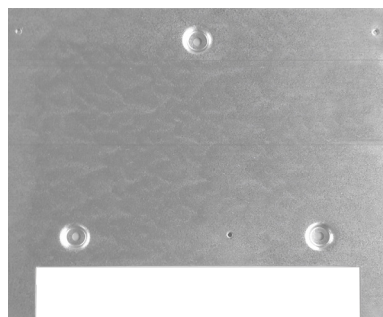
RJ10 cable  
150 cm



QR code sticker



Smart Charge Card



EV Wall mounting plate



Bus termination  
plug



Screw & plug



Small screw



CT 50A

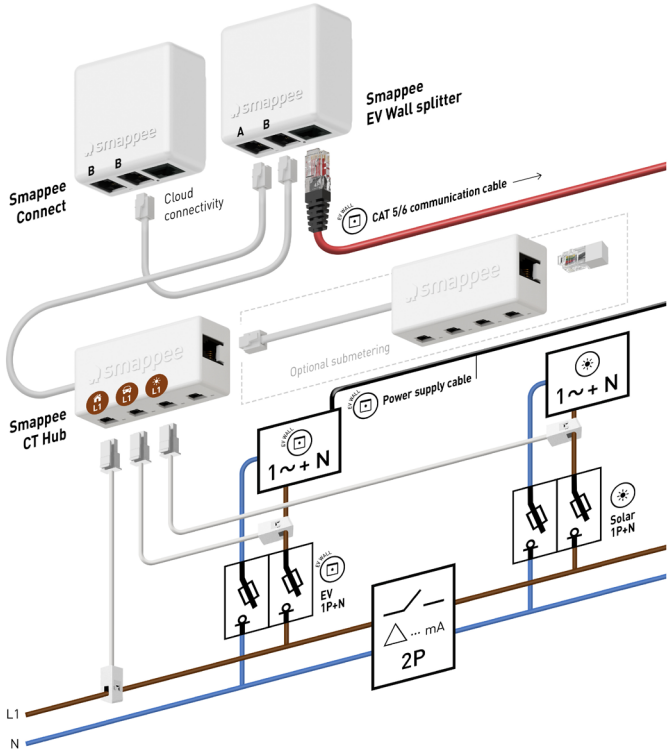


Solid Core 3-phase CT

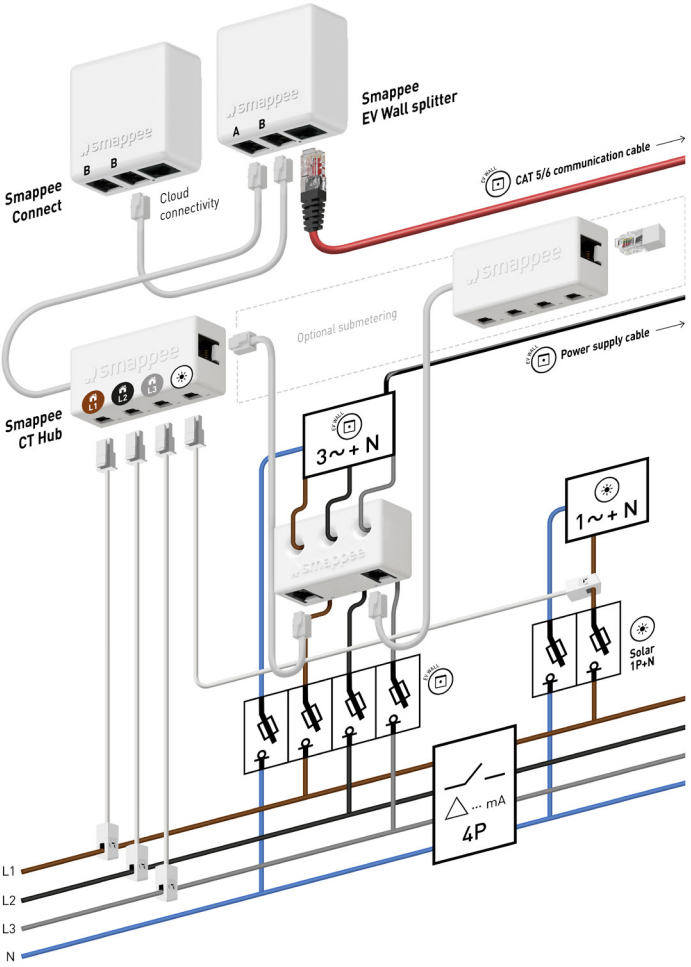
In case of three phase connection set-up,  
additional components:



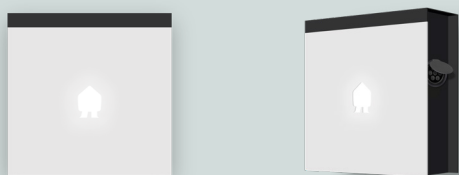
EV Wall single phase connection diagram.



EV Wall three phase connection diagram.



# Smappee EV Wall Business.



- 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.

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 self-consumption. Receive detailed insights on your charging process and costs via the App and Dashboard. The EV Wall 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.

ARTICLE NUMBER: EVWB-332-BR-E-W (SOCKET) - EVWB-332-BSR-E-W (SOCKET+SHUTTTER) - EVWB-332-C8R-E-W (2 CABLES)

## 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 1.6J

## 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

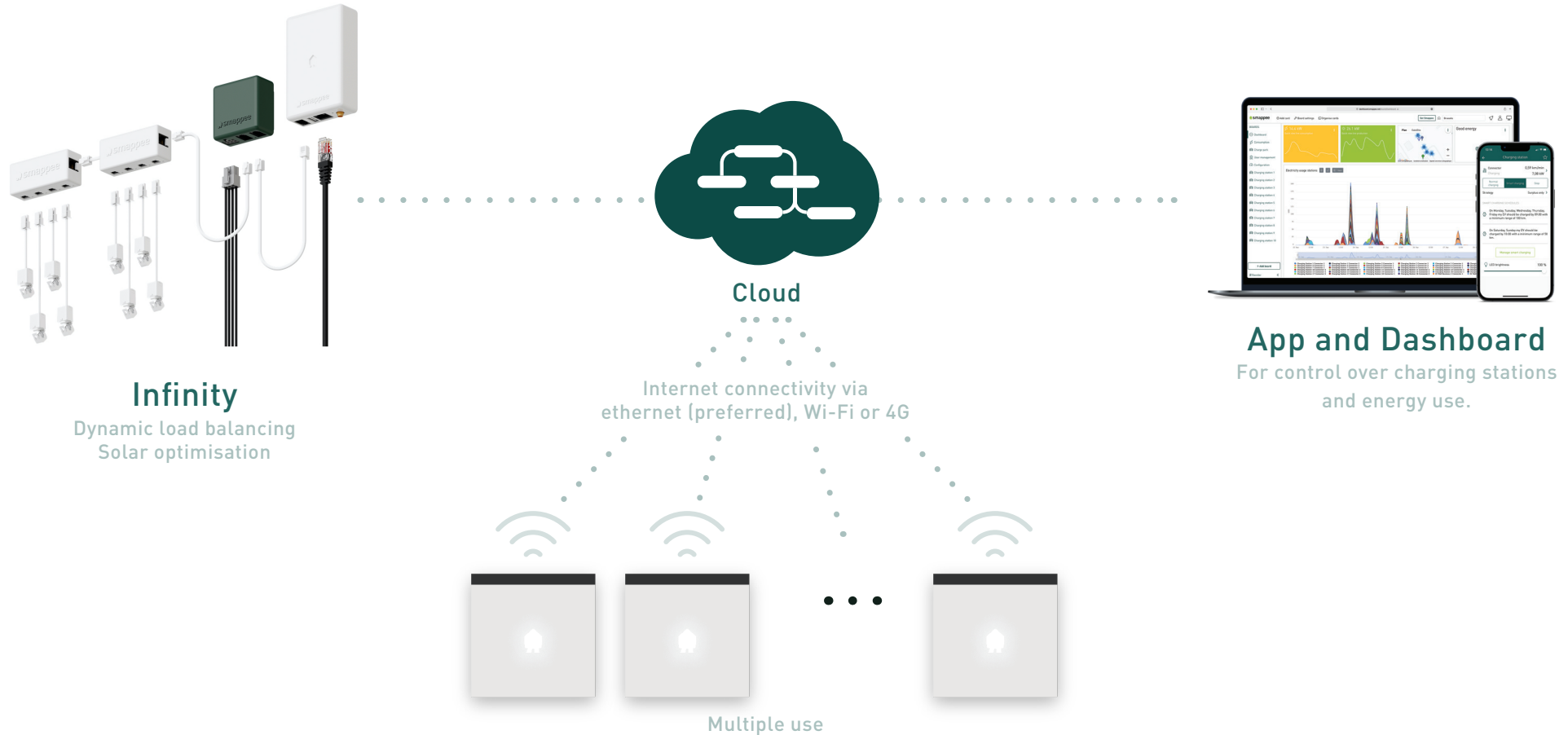
## Charging:

- Maximum charging capacity: 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
- MID metering, certified class B

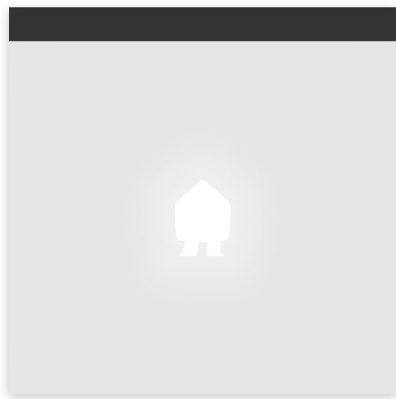
## Connectors:

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

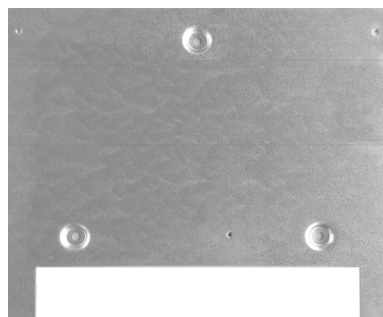
# Smappee EV Wall Business basic set-up.



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



EV Wall



EV Wall mounting plate



Quick Starter Guide



Quick Install Guide



Smart Charge Card



Screw & plug

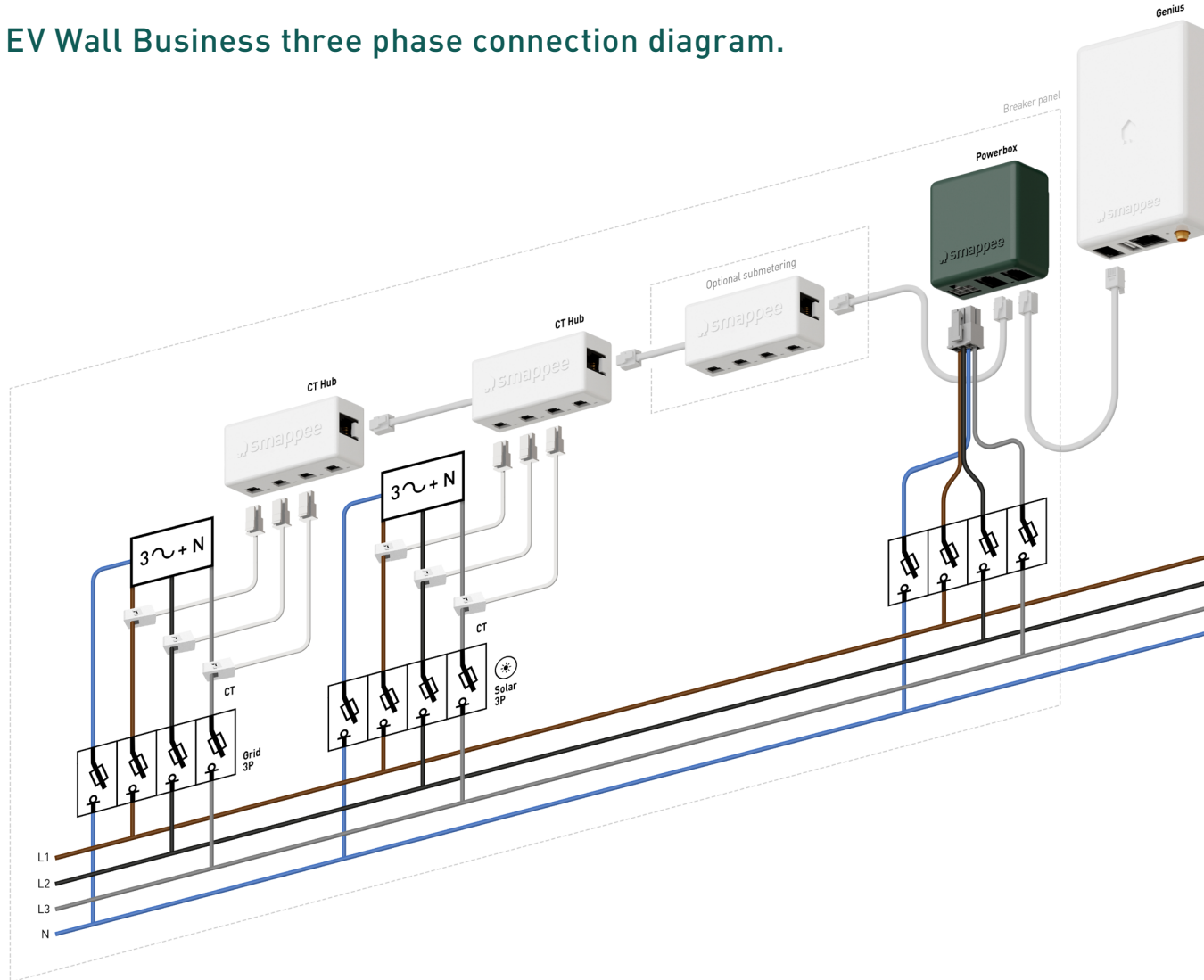


Small screw



QR code sticker

## 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, Powerbox, CT-Hub x 2 and the type of the CT's or rogowski coils (50 A 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.

ARTICLE NUMBER: EVB-2332-B-E (SOCKET) - EVBU-80-CCS3R (SOCKET+SHUTTTER) - EVB-2332-C5-E (2 CABLES)

## 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

## EMC:

- IEC 61851-1

## Product certifications:

- CE

## Integrated Residual Current Protection:

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

## Connectivity:

- Ethernet 100BASE-T
- Communication protocol: OCPP 1.6J

## Mounting method:

- Floor

## Charging:

- Maximum charging capacity: Single or 3 phase, 7.4 to 22 kW per connector
- 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

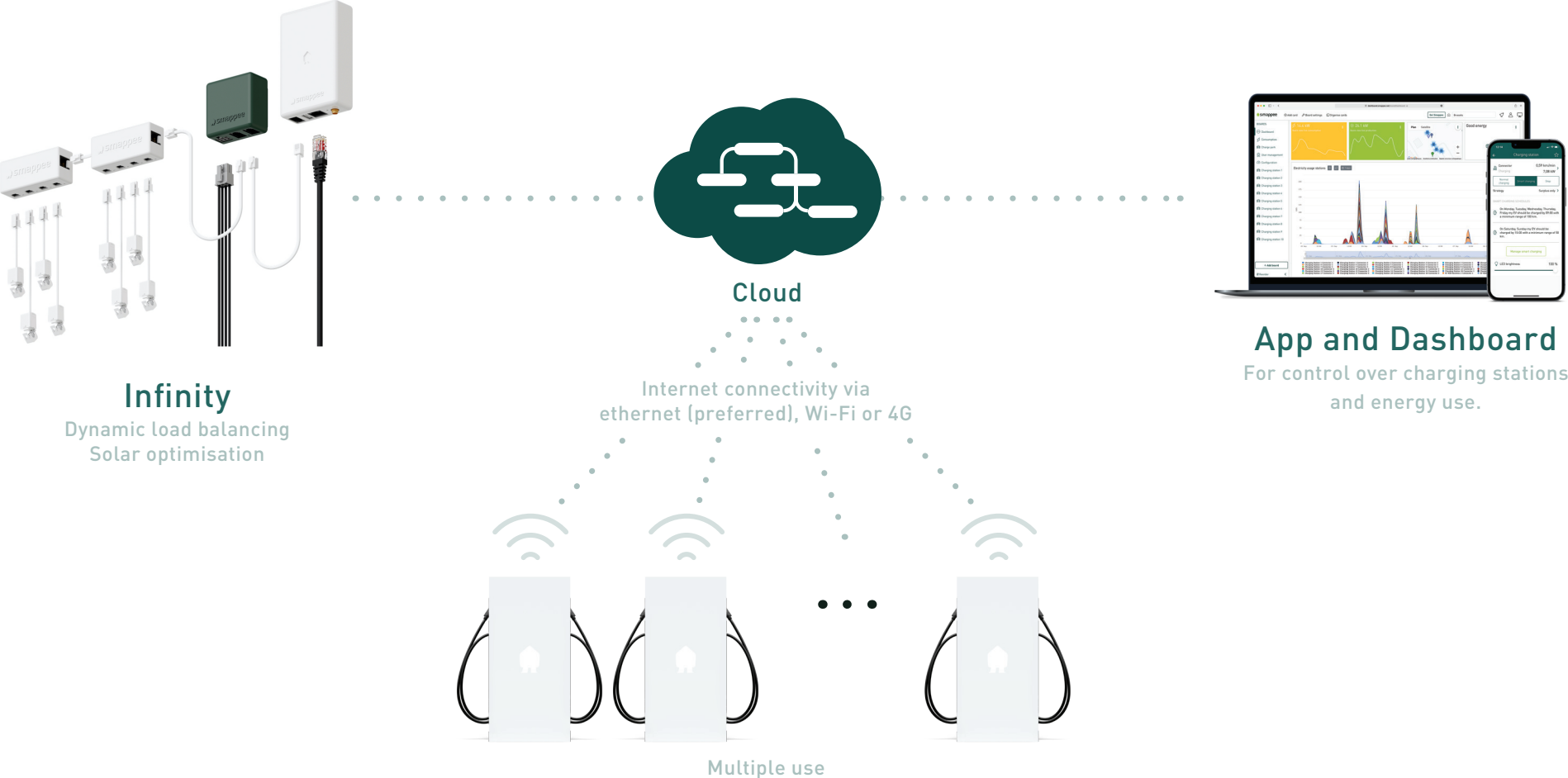
## Enclosure:

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

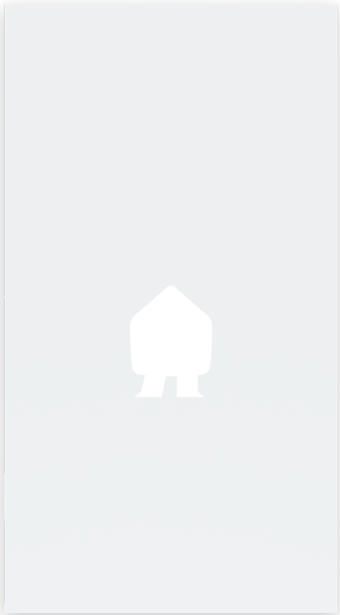
## Connectors:

- 2 × fixed cable with type 2 connector
- 2 × type 2 socket

# Smappee EV Base basic set-up.



# EV Base - What's in the box?



EV Base unit



Floor plate



x2

QR code sticker



Quick Install Guide



x4

Concrete anchors



x4

Washers



x4

Screws



x4

Washers

In case of fixed cable version:



x2

Open-ended 5m charging cable



x2

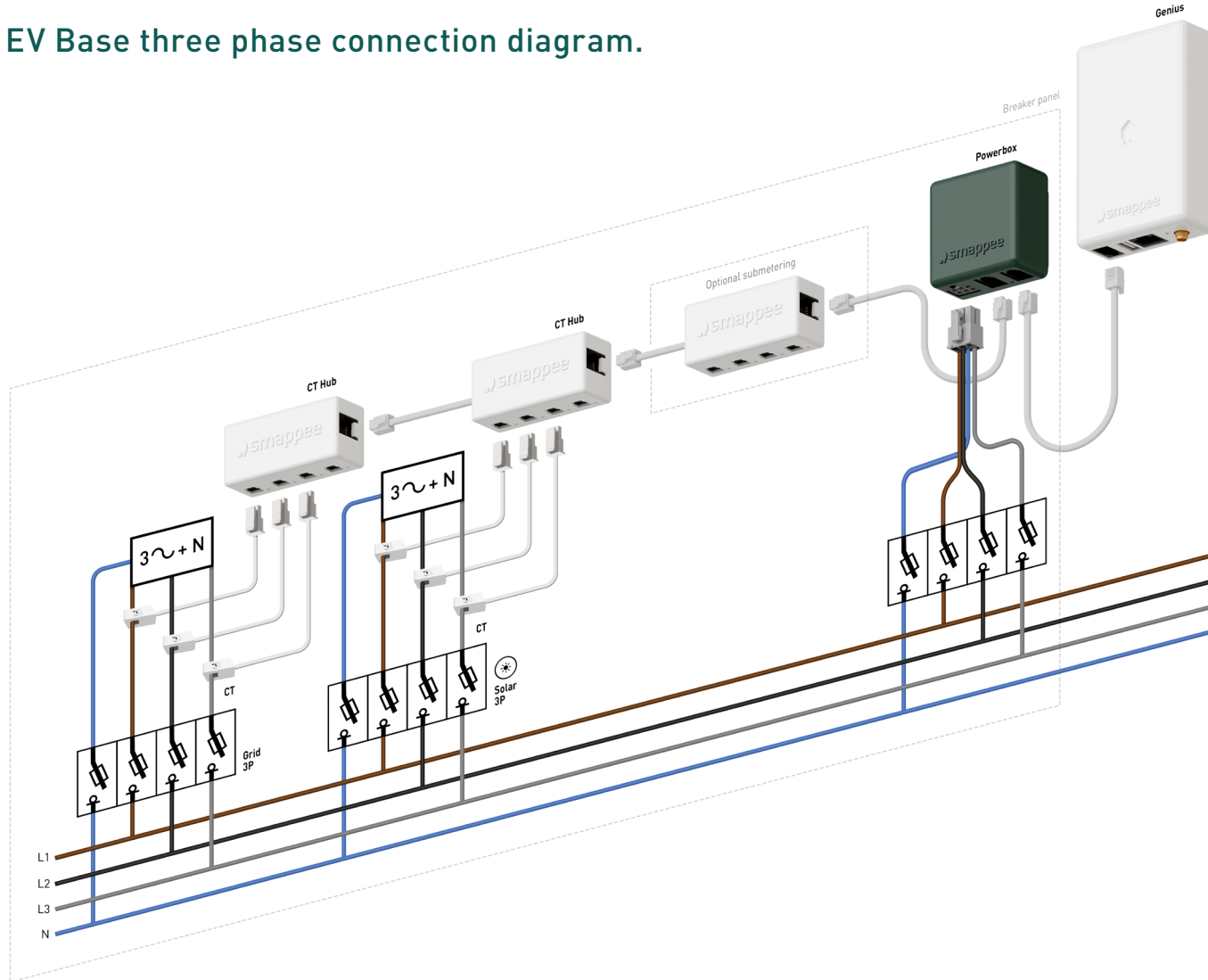
Cable gland



x2

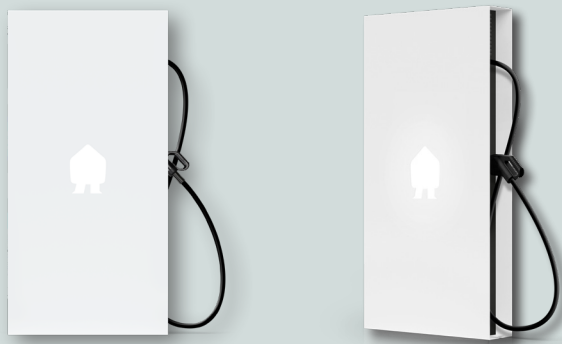
Cable tie

## 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, Powerbox, CT-Hub x 2 and the type of the CT's or rogowski coils (50 A 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 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 Base Ultra is a floor-mounted fast charger with one connector. The integrated Smappee Infinity technology offers smart charging, ensuring optimised self-consumption and 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 Base Ultra durable and future-proof.

ARTICLE NUMBER: EVBU-200-CCS3R (200S) - EVBU-80-CCS3R (80S)

## Dimensions:

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

## Weight:

- EV Base 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

## Standards:

IEC 61851-21, ISO 15118

## Product certifications:

## 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

## Connectivity:

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

## Mounting method:

Floor

## 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

## Communication protocol:

OCPP 1.6 J, ready for update to OCPP 2.0

## 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

## Operating altitude:

0 - 2,000 m



# Smappee EV Line product overview.

## EV Wall | 1-phase.

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

## EV Wall | 3-phase.

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

## EV Wall Business.

	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 Base Ultra.

	EAN	Description	Sales Price
EVBU-80-CCS3R	5425036933873	EV Base Ultra 80S	Contact your Smappee Business Developer
EVBU-200-CCS3R	5425036933767	EV Base 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	
EVW-COVER-B	542503693360	EV Wall Black front plate	

## Smappee Charging stations 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="http://www.smappee.com/conditions">www.smappee.com/conditions</a>, in particular section 7 and 8</li> </ul>	Contact your Smappee Business Developer

## Smappee EV Line Charging Packages.

### RFID charge station roaming package:

#### 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 and per connector
- Invoiced/credited on quarterly basis

Offered by Smappee Services , more info how to enable on Smappee Helpcenter.

#### 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 on Monthly basis

Offered by Smappee Services , more info how to enable on Smappee Helpcenter.

## 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	

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

## General terms and conditions.

- Prices are excluding customs duties, taxes and shipping costs.
- In case the order amount is below 200,00 EUR an administrative cost of 30,00 EUR will be charged.
- Complete overview of general terms and conditions: [www.smappee.com/conditions](http://www.smappee.com/conditions).