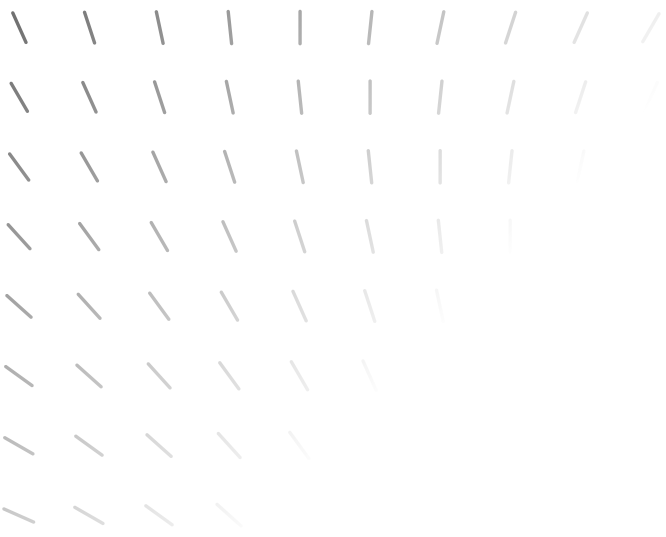




Smappee Catalogue

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AC Charging



Smappee EV One



EV charging for home and business

The Smappee EV One is a ground-mounted EV charging station with one connector. Easy to install with a clear installation wizard and simple cable setup. Integrated LED indicators show charging status clearly in parking areas. The EV One is connected to the Smappee cloud and app to view live and historical charging sessions. Available with socket, it supports scan and charge and RFID payments.

Essential charging features of the EV One:

- Live & historical charging sessions
- Static overload protection
- Offline charging
- Whitelisting (access control)
- Charging scheduling
- Dynamic overload protection

Additional features are available in the **Smart or Business subscription**.
Additional information can be found in the Home or Business charging brochures.

Dimensions

- Charging station:
1100 mm × 120 mm × 120 mm
- Floorplate:
300 mm x 300 mm x 6 mm

Weight

- Charging station: 12.3 kg
- Floorplate: 3.2 kg

Operating temperature

-25 °C to 40 °C

Storage temperature

-25 °C to 60 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

IEC 61851-1, AS/NZS 3820

Product certification

CE, ACMA

Connectivity

Ethernet 100BASE-T

Communication protocol

OCPP 1.6 J, ready for update to OCPP 2.0.1

Mounting method

Ground, with supplied anchor or optional floorplate

Enclosure

- Material: Magnelis (structure), aluminium (housing)
- Rating: IP54 / IK10
- Standard colour: RAL 7021 (black grey)

Integrated Residual Current Protection

6 mA DC RCM and 30 mA RCD type A

Required external protection

Circuit breaker of maximum 40 A, type B or C

Charging

- Main power: 230 V/400 V, 32 A
- Maximum nominal power
Single-phase connection: 7.4 kW
Three-phase connection: 22 kW
- Charge mode: Mode 3 (IEC 61851)
- Activation method: Plug and charge, swipe RFID, scan QR code, optional Pay Station
- Information status: RGB LED
- MID metering, certified class B

Connectors

1 × type 2 socket - with shutter

Smappee EV Wall



EV charging for home and business

The Smappee EV Wall is a compact, wall-mounted, AC charging station with a single connector. Easy to install with a clear installation wizard and simple cable setup. Integrated LED indicators show charging status clearly in parking areas. The EV Wall is connected to the Smappee cloud and app to view live and historical charging sessions. Available with fixed cable or socket, it supports scan and charge and RFID payments.

Essential charging features of the EV Wall:

- Live & historical charging sessions
- Static overload protection
- Offline charging
- Whitelisting (access control)
- Charging scheduling
- Dynamic overload protection

Additional features are available in the **Smart or Business subscription**. Additional information can be found in the Home or Business charging brochures.

Dimensions

- Charging station: 300 mm × 300 mm × 110 mm
- Charging cable: 8 m

Weight

- Charging station with socket: 7.3 kg
- Charging station with cable and cable holder: 12.4 kg

Operating temperature

-25 °C to 40 °C

Storage temperature

-25 °C to 60 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

IEC 61851-1, AS/NZS 3820

Product certification

CE, ACMA

Connectivity

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: RAL 9016 (star white) + RAL 7021 (black grey)

Integrated Residual Current Protection

6 mA DC RCM and 30 mA RCD type A

Required external protection

Circuit breaker of maximum 40 A, type B or C

Charging

- Main power: 230 V/400 V, 32 A
- Maximum nominal power
Single-phase connection: 7.4 kW
Three-phase connection: 22 kW
- Charge mode: Mode 3 (IEC 61851)
- Activation method: Plug and charge, swipe RFID, scan QR code, optional Pay Station
- Information status: RGB LED
- MID metering, certified class B

Connectors

1 × fixed cable with type 2 connector
or 1 × type 2 socket - with shutter

Smappee EV Wall Eichrecht



EV charging for home and business in Germany

The Smappee EV Wall is a compact, wall-mounted, AC charging station with a single connector, only available with socket. Easy to install with a clear installation wizard and simple cable setup. Integrated LED indicators show charging status clearly in parking areas. The EV Wall is connected to the Smappee cloud and app to view live and historical charging sessions. Available with fixed cable or socket, it supports scan and charge and RFID payments.

Essential charging features the EV Wall Eichrecht:

- Live & historical charging sessions
- Static overload protection
- Offline charging
- Whitelisting (access control)
- Charging scheduling
- Dynamic overload protection

Additional features are available in the **Smart or Business subscription**.
Additional information can be found in the Home or Business charging brochures.

Dimensions

300 mm × 300 mm × 110 mm

Weight

Charging station with socket: 7.3 kg

Operating temperature

-25 °C to 40 °C

Storage temperature

-25 °C to 60 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

IEC 61851-1

Product certification

CE, Eichrecht compliant

Connectivity

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: RAL 9016 (star white) + RAL 7021 (black grey)

Integrated Residual Current Protection

6 mA DC RCM and 30 mA RCD type A

Required external protection

Circuit breaker of maximum 40 A, type B or C

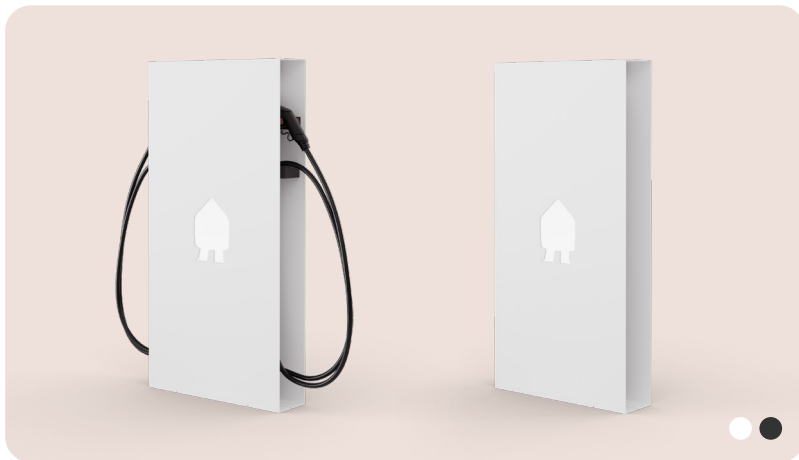
Charging

- Main power: 230 V/400 V, 32 A
- Maximum nominal power
Single-phase connection: 7.4 kW
Three-phase connection: 22 kW
- Charge mode: Mode 3 (IEC 61851)
- Activation method: Plug and charge, swipe RFID, scan QR code, optional Pay Station
- Information status: RGB LED
- MID metering, certified class B, Eichrecht certified

Connectors

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

Smappee EV Base



EV charging for home and business

The Smappee EV Base is a ground-mounted, AC charging station with two connectors. Easy to install with a clear installation wizard and simple cable setup. Integrated LED indicators show charging status clearly in parking areas. The EV Base is connected to the Smappee cloud and app to view live and historical charging sessions. Available with fixed cable or socket, it supports scan and charge and RFID payments.

Essential charging features of the EV Base:

- Live & historical charging sessions
- Static overload protection
- Offline charging
- Whitelisting (access control)
- Charging scheduling
- Dynamic overload protection

Additional features are available in the **Smart or Business subscription**.
Additional information can be found in the Home or Business charging brochures.

Dimensions

1200 mm × 600 mm × 150 mm

Weight

- Charging station with sockets: 33 kg
- Charging station with cables: 39.5 kg

Operating temperature

-25 °C to 40 °C

Storage temperature

-25 °C to 60 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

IEC 61851-1, AS/NZS 3820

Product certification

CE, ACMA

Connectivity

Ethernet 100BASE-T

Communication protocol

OCPP 1.6 J, ready for update to OCPP 2.0.1

Mounting method

Ground

Enclosure

- Material: Magnelis (rear plate), aluminium (front and sides)
- Rating: IP 54 / IK 10
- Standard colours: RAL 9016 (star white) + RAL 7021 (black grey)

Integrated Residual Current Protection

Per charging point:
6 mA DC RCM and 30 mA AC RCD type A

Required External Protection

Per charging point: circuit breaker of maximum 40 A, type B or C

Charging

- Main power: 230 V/400 V, 32 A
- Maximum nominal power per charging point:
Single-phase connection: 7.4 kW
Three-phase connection: 22 kW
- Charge mode: Mode 3 (IEC 61851)
- Activation method: Plug and charge, swipe RFID, scan QR code, optional Pay Station
- Information status: RGB LED
- MID metering, certified class B

Connectors

2 x fixed cable with type 2 connector
or 2 x type 2 socket with shutter

Smappee EV Dual Wall



EV charging for home and business

The Smappee EV Dual Wall, the next generation AC charging station that combines sleek design with powerful technology. Suitable for businesses, public spaces, or homes with multiple EV's. This dual-connector solution offers maximum flexibility with both socket and cable versions. It is ready for the future with support for ISO 15118-2, Plug and Charge, and it's already prepared for ISO 15118-20 and V2G. Each connector features its own intuitive display, giving users real-time charging status and pricing information at a glance.

Essential charging features of the EV Dual Wall:

- Live and historical charging sessions
- Static and dynamic overload protection
- Whitelisting (access control)
- Charging schedules

Additional features are available in the **Smart** or **Business subscription**.
Additional information can be found in the Home or Business charging brochures.

Dimensions

450 mm × 450 mm × 150 mm

Weight

- Charging station with sockets: 16.6 kg
- Charging station with cables: 22.3 kg

Operating temperature

-25 °C to 40 °C

Storage temperature

-25 °C to 60 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

- Safety: EN IEC 61851-1, EN IEC 62311
- EMC: EN IEC 61851-21-2, EN ETSI 301 489-1, EN ETSI 301 489-17, EN ETSI 301 489-52
- Radio spectrum: EN ETSI 300 220, EN ETSI 300 328, EN ETSI 301 908-13

Product certification

CE

Connectivity

Ethernet 100BASE-T, 4G LTE-M

Communication protocol

ISO 15118 V2G, OCPP 1.6 JSON, ready for update to OCPP 2.0.1

Mounting method

Wall

Enclosure

- Material: Aluminium (front plate), Magnelis (structure)
- Rating: IP 54, IK 10
- Standard colours: RAL 9016 (star white) + RAL 7021 (black grey)

Theft protection

Lock and key + safety screws

Integrated Residual Current Protection

Per connector: 6 mA DC RCM and 30 mA C40 AC RCBO Type A 10kA

Required external protection

- 1 x power supply: 1 × 2P (single-phase), 1 × 3P (three-phase) or 1 × 4P (three-phase with neutral) breaker of max 80 A, type B or C (with internal use of busbar)
- 2 x power supply: 2 × 2P (single-phase), 2 × 3P (three-phase) or 2 × 4P (three-phase with neutral) breaker of maximum 40 A, type B or C
- Power supply: flexible conductors up to 16 mm² or solid conductors up to 25 mm² and power supply cable outer diameter range Ø 13 to 21 mm

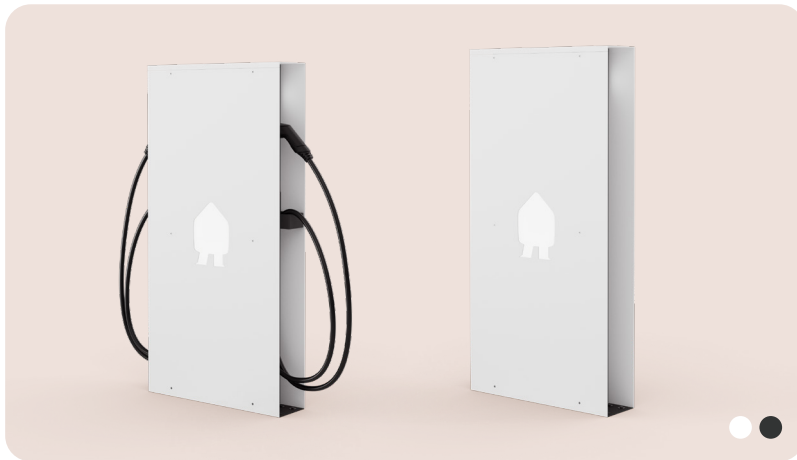
Charging

- Main power: 230 V/400 V, 32 A
- Maximum nominal power per connector:
Single-phase connection: 7.4 kW
Three-phase connection: 22 kW
- Charge mode: Mode 3 (IEC 61851)
- Activation method: Plug and charge, Swipe RFID, Scan QR code, optional Pay Station
- Information status: 2.77" LCD screen
- MID metering, certified class B

Connectors

2 x IEC 62196-2 Type 2 charging cable 5 m or socket with integrated shutter.
Electronic lock of socket can be locked permanently by the user.

Smappee EV Dual Base



EV charging for business

The Smappee EV Dual Base, the next generation AC charging station that combines sleek design with powerful technology. Suitable for businesses or public spaces, this dual-connector solution offers maximum flexibility with both socket and cable versions. It is ready for the future with support for ISO 15118-2, Plug and Charge, and it's already prepared for ISO 15118-20 and V2G. Each connector features its own intuitive display, giving users real-time charging status and pricing information at a glance.

Essential charging features of the EV Dual Base:

- Live & historical charging sessions
- Static and dynamic overload protection
- Whitelisting (access control)
- Charging scheduling

Additional features are available in the **Smart** or **Business subscription**.
Additional information can be found in the Home or Business charging brochures.

Dimensions

1200 mm × 600 mm × 150 mm

Weight

- Charging station with sockets: 40.7 kg
- Charging station with cables: 45.7 kg

Operating temperature

-25 °C to 40 °C

Storage temperature

-25 °C to 60 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

- Safety: EN IEC 61851-1, EN IEC 62311
- EMC: EN IEC 61851-21-2, EN ETSI 301 489-1, EN ETSI 301 489-17, EN ETSI 301 489-52
- Radio spectrum: EN ETSI 300 220, EN ETSI 300 328, EN ETSI 301 908-13

Product certification

CE

Connectivity

Ethernet 100BASE-T, 4G LTE-M

Communication protocol

ISO 15118 V2G, OCPP 1.6 JSON, ready for update to OCPP 2.0.1

Mounting method

Ground

Enclosure

- Material: Magnelis
- Rating: IP 54, IK 10
- Standard colours: RAL 9016 (star white) + RAL 7021 (black grey)

Theft protection

Safety screws

Integrated Residual Current Protection

Per connector: 6 mA DC RCM and 30 mA C40 AC RCBO Type A 10 kA

Required external protection

- 1 x power supply: 1 × 2P (single-phase), 1 × 3P (three-phase) or 1 × 4P (three-phase with neutral) breaker of max 80 A, type B or C (with internal use of busbar)
- 2 x power supply: 2 × 2P (single-phase), 2 × 3P (three-phase) or 2 × 4P (three-phase with neutral) breaker of maximum 40 A, type B or C
- Power supply: flexible conductors up to 16 mm² or solid conductors up to 25 mm² and power supply cable outer diameter range Ø 13 to 21 mm

Charging

- Main power: 230 V/400 V, 32 A
- Maximum nominal power per connector: Single-phase connection: 7.4 kW Three-phase connection: 22 kW
- Charge mode: Mode 3 (IEC 61851)
- Activation method: Plug and charge, Swipe RFID, Scan QR code, optional Pay Station
- Information status: 2.77" LCD screen
- MID metering, certified class B

Connectors

2 x IEC 62196-2 Type 2 charging cable 5 m or socket with integrated shutter.
Electronic lock of socket can be locked permanently by the user.

Smappee AC charging product overview

EV One	EAN	Description
EVOC-332-B-E-B	5425036934870	Black whit socket
EV Wall		
EVWC-332-BR-E-W	5425036934832	White with socket
EVWC-332-BR-E-B	5425036934849	Black with socket
EVWC-332-C8R-E-W	5425036934856	White with cable
EVWC-332-C8R-E-B	5425036934863	Black with cable
EV Wall Eichrecht		
EVWE-332-BR-E-W	5425036934115	White with socket
EV Base		
EVBC-2332-B-E-W	5425036934887	White with sockets
EVBC-2332-B-E-B	5425036934894	Black with sockets
EVBC-2332-C5-E-W	5425036934900	White with cables
EVBC-2332-C5-E-B	5425036934917	Black with cables
EV Dual		
EVD-2332-C5	5425036935464	EV Dual Core Cable
EVD-2332-B	5425036935457	EV Dual Core Socket
EVD-WALL-KIT-B	5425036935488	EV Dual Wall plate kit Black
EVD-WALL-KIT-W	5425036935471	EV Dual Wall plate kit White
EVD-FLOOR-KIT-B	5425036935518	EV Dual Base plate kit Black
EVD-FLOOR-KIT-W	5425036935501	EV Dual Base plate kit White
EVD-FLOOR-PEDESTAL	5425036935686	EV Dual Base Pedestal
EVD-FLOOR-2C5	5425036935525	EV Dual Base 2 × 3-phase 32A Type 2 open-ended charging cable 5m with cable holder
EVD-WALL-2C5	5425036935495	EV Dual Wall 2 × 3-phase 32A Type 2 open-ended charging cable 5m with cable holder

DC Charging



Smappee EV Ultra Single



The Smappee EV Ultra is a ground-mounted fast charger with one CCS2 connector. The charging status and instructions are displayed on the integrated screen. This charger features a robust, compact, all-weather enclosure made from high-quality, recyclable materials. It also includes LED lighting for enhanced visibility and security.

Unlock Smappee's energy intelligence and charging management features with our Business subscription plan*:

- Maximize renewable energy consumption and improve overall energy efficiency.
- Reduce costs and minimize grid investment with dynamic load management.
- Monitor multiple chargers remotely and set up priority charging.
- Make chargers public with our CPO add-on, manage rates, and integrate Smappee Pay Station.
- Get over-the-air updates to always have the latest features and improvements and to cope with the cars' firmware changes.

*The Business subscription plan is priced per connector and per month. Additional add-ons are available based on your needs.

Dimensions

- Charging station: 1870 mm × 920 mm × 325 mm
- Charging cable: 3.25 m

Weight

- EV Ultra 80S: 230 kg
- EV Ultra 240S: 330 kg
- EV Ultra anchor: 23 kg

Operating temperature

-25 °C to 50 °C (derating from 40 °C)

Storage temperature

-25 °C to 70 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

IEC 61851-1, IEC 61851-2-21, IEC 61851-23, ISO 15118-2, ISO 15118-3

Product certification

CE, optional Eichrecht certified

Connectivity

- Ethernet 100BASE-T (with fallback to 4G in case of connection loss)
- 4G Modem

Communication protocol

OCPP 1.6 J, ready for update to OCPP 2.0.1

Interfaces

- Information status: 6.5" RGB Display
- Session activation: QR code / RFID (Optional Smappee Pay Station)

Mounting method

Ground, with supplied anchor

Enclosure

- Material: powder coated Magnelis
- Standard colour: RAL 7021 (black grey), optional customisation

AC input

- Main power EV Ultra 80S: 3 × 400 V + PE / 120 A
- Main power EV Ultra 240S: 3 × 400 V + PE / 350 A
- Auxiliary power: 3 × 400 V + N / 10 A
- Rated frequency (f_N): 50 Hz
- Power factor: > 0.98 at full operating speed
- Efficiency: > 95% at full operating speed
- Always on usage: < 40 W

DC Output

- Nominal power EV Ultra 80S: maximum 80 kW
- Nominal power EV Ultra 240S: maximum 240 kW
- DC Plug: CCS2

Smappee EV Ultra Dual



The Smappee EV Ultra is a ground-mounted fast charger with two CCS2 connectors. The charging status and instructions are displayed on the integrated screen. This charger features a robust, compact, all-weather enclosure made from high-quality, recyclable materials. It also includes LED lighting for enhanced visibility and security.

Unlock Smappee's energy intelligence and charging management features with our Business subscription plan*:

- Maximize renewable energy consumption and improve overall energy efficiency.
- Reduce costs and minimize grid investment with dynamic load management.
- Monitor multiple chargers remotely and set up priority charging.
- Make chargers public with our CPO add-on, manage rates, and integrate Smappee Pay Station.
- Get over-the-air updates to always have the latest features and improvements and to cope with the cars' firmware changes.

*The Business subscription plan is priced per connector and per month. Additional add-ons are available based on your needs.

Dimensions

- Charging station: 1870 mm × 920 mm × 325 mm
- Charging cable: 3.25 m

Weight

- EV Ultra 40D: 240 kg
- EV Ultra 120D: 340 kg
- EV Ultra anchor: 23 kg

Operating temperature

-25 °C to 50 °C (derating from 40 °C)

Storage temperature

-25 °C to 70 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Standards

IEC 61851-1, IEC 61851-2-21, IEC 61851-23, ISO 15118-2, ISO 15118-3

Product certification

CE, optional Eichrecht certified

Connectivity

- Ethernet 100BASE-T (with fallback to 4G in case of connection loss)
- 4G Modem

Communication protocol

OCPP 1.6 J, ready for update to OCPP 2.0.1

Interfaces

- Information status: 6.5" RGB Display
- Session activation: QR code / RFID (Optional Smappee Pay Station)

Mounting method

Ground, with supplied anchor

Enclosure

- Material: powder coated Magnelis
- Standard colour: RAL 7021 (black grey), optional customisation

AC input

- Main power EV Ultra 40D: 3 × 400 V + PE / 120 A
- Main power EV Ultra 120D: 3 × 400 V + PE / 350 A
- Auxiliary power: 3 × 400 V + N / 10 A
- Rated frequency (f_N): 50 Hz
- Power factor: > 0.98 at full operating speed
- Efficiency: > 95% at full operating speed
- Always on usage: < 40 W

DC Output

- Nominal power EV Ultra 40D: Charging point: maximum 40 kW
Charging station: maximum 80kW
- Nominal power EV Ultra 120D: Charging point: maximum 120 kW
Charging station: maximum 240 kW
- DC Plug: CCS2

Smappee Pay Station



The Smappee Pay Station is a ground-mounted point of payment that operates with a kiosk concept. You can easily link multiple AC and DC charging points to a single pay station, saving space and costs. It can also be added to existing charging hubs and supports third-party chargers when integrated with Smappee's backend. It accepts payments via Visa®, Mastercard®, Apple Pay® and Google Pay®. The Smappee Pay Station ensures compliance with AFIR requirements and operates under a flexible license model.

The Smappee Pay Station can only be activated and used in conjunction with Smappee's CPO module.

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Dimensions

- Pay Station:
1454 mm x 120 mm x 120 mm
(57.24" x 4.72" x 4.72")
- Floorplate:
300 mm x 300 mm x 60 mm
(11.81" x 11.81" x 2.36")

Weight

- Pay Station: 11.6 kg (25.57 pounds)
- Floorplate: 3.2 kg (7.05 pounds)

Operating temperature

-25 °C to 50 °C (-13 °F to 122 °F)

Storage temperature

-25 °C to 60 °C (-13 °F to 140 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

Product certification

CE, PCI PTS 6.X, EMVL1/L2, payWave, PayPass, ExperssPay, D-PAS, InteracFlash, J-Speedy, FeliCa, UnionPay UICS, TQM, Mifare, DESfire

Display

5" Color TFT LCD with capacitive touch panel

Connectivity

- Ethernet 100BASE-T
- 4G LTE

Standard payment options*

- Visa and Mastercard: Prepaid, Debit or Credit cards
- Apple Pay®, Google Pay®

Mounting method

Ground, with supplied anchor or optional floorplate

Enclosure

- Material: Magnelis (structure), aluminium (housing)
- Rating: IP 54 / IK 10
- Colour: RAL 7021 (black grey)

Rating

110 to 240 V - 20 W - 50 Hz / 60 Hz

*Only in Eurozone

Smappee DC charging product overview

EV Ultra Single	EAN	Description
EVU-80S-C3-W	5425036934931	80S, white
EVU-80S-C3-B	5425036934924	80S, black
EVU-240S-C3-W	5425036934948	240S, white
EVU-240S-C3-B	5425036934344	240S, black
EV Ultra Dual		
EVU-80D-C3-W	5425036934955	40D, white
EVU-80D-C3-B	5425036934368	40D, black
EVU-240D-C3-W	5425036934986	120D, white
EVU-240D-C3-B	5425036934382	120D, black
Pay Station		
PAY-STATION	5425036934467	Smappee Pay Station

Subscription models



All the features you need for smart EV charging management

	Essential Included	Smart Subscription per connector	Business Subscription per connector
Charging features ⓘ	●	●	●
Dynamic overload protection*	●	●	●
Secure OCPP	●	●	●
Whitelisting <i>(access control)</i>	●	●	●
Saving and cost insights*		●	●
Optimise with renewables* ⓘ		●	●
Optimise with tariffs & rates* ⓘ		●	●
Cascade overload protection*			●
CPO by Smappee ⓘ			●

*Additional hardware required

ⓘ Feature details

Charging features

- Live & historical charging sessions
- Static overload protection
- Offline charging
- Charging scheduling

Optimise with renewables

- Solar live & historical insights
- Solar forecasting
- Charge with solar surplus
- Dynamic phase switch

Optimise with tariffs & rates

- Energy rates *(e.g. day/night, shoulder, peak, off peak)*
- Dynamic rates *(not supported in all regions)*
- Smart scheduling *(set departure time and travel distance)*

CPO by Smappee *(only applicable in Eurozone)*

- Session history
- Pricing policies
- Scan and charge
- Publish on third party maps via OCPI
- Broad charging network *(direct OCPI + roaming hub connections)*
- Payment services *(invoicing, roaming, Smappee Pay Station)*

Energy management



Smappee Genius



The Genius is the gateway between the monitoring system and the Smappee cloud, ensuring secure data storage from different components via Ethernet, Wi-Fi or 3G/4G (optional). In case of network outage, it will store the data for two days. It communicates and interacts with third party components and Smappee Switch. Thanks to these various options, the Genius allows Smappee Infinity to take on the role of a Home or Building Energy Management System (HEMS or BEMS) and guarantee optimised self-consumption.

- Gateway between monitoring system and Smappee cloud.
- High-end HEMS/BEMS allowing dynamic load balancing and smart control.
- Compatible with various communication protocols.
- Future-proof thanks to over-the-air updates.
- Connectivity via Ethernet, Wi-Fi or 3G/4G (optional).

Dimensions

108 mm × 69 mm × 25 mm
(4.25 × 2.72 × 0.98 inches)

Weight

119 g (4.20 oz)

Operating temperature

-10 °C to 60 °C (14 °F to 140 °F)

Storage temperature

-20 °C to 90 °C (-4 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 – 2,000 m (0 – 6,562 feet)

EMC

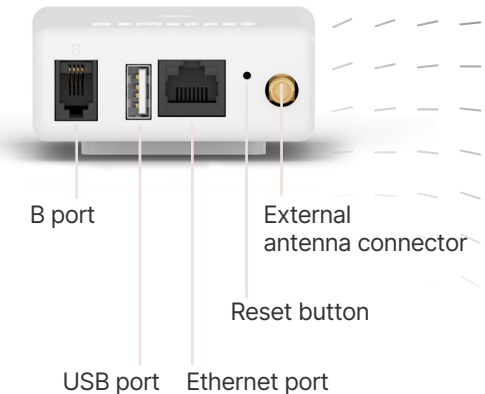
IEC 61326-1, FCC 47 part 15

Safety

IEC 60950-1

Spectrum

EN 300 328 V2.1.1 and EN 300 220



Product certifications

CE, FCC, RCM

IP Rating (IEC 60529)

IP X0

Connectivity

- Ethernet 100BASE-T
- Wi-Fi 2.4 GHz
- 3G/4G (optional 4G router)
- RF 433 MHz
- Smappee Bus B

Accessories included

- Wall mounting plate
- Smappee Bus cable 150 cm (59 inches)

Smappee Connect



The Connect is, similar to the Genius, the gateway between the Power Box and the cloud (Smappee or other), ensuring secure data storage from different components. Data is transferred via Ethernet or Wi-Fi. In the event of a network outage, data will be stored for one day. The Connect does not offer smart control, unlike the Genius that does offer smart control. When used as gateway in a Smappee EV Line Charging Station it enables smart charging and loads balancing functionalities. The Connect is a cost-efficient way to add intelligence to the Smappee Infinity setup.

- Gateway between monitoring system and cloud via Ethernet or Wi-Fi.
- Future-proof thanks to over-the-air updates.
- Cost-effective alternative to the Smappee Genius.
- Ensures secured data storage from components.
- 1-day data storage in case of network outage.

Dimensions

55 mm × 55 mm × 26.6 mm
(2.17 × 2.17 × 1.05 inches)

Weight

45 g (1.59 oz)

Operating temperature

-25 °C to 70 °C (-13 °F to 158 °F)

Storage temperature

-25 °C to 90 °C (-13 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

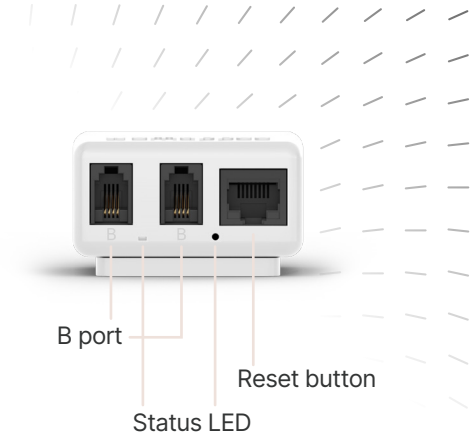
0 - 2,000 m (0 - 6,562 feet)

EMC

IEC 61326-1, FCC 47 part 15

Safety

IEC 60950-1



Spectrum

EN 300 328 V2.1.1

Product certifications

CE, FCC, RCM

IP Rating (IEC 60529)

IP X0

Connectivity

- Ethernet 100BASE-T
- Wi-Fi 2.4 GHz
- 2 × Smappee Bus B

Accessories included

- Wall mounting plate
- Smappee Bus cable 150 cm (59 inches)

Smappee 4G Connect



The Smappee 4G Connect is a cost-efficient way to have internet connection where Ethernet and/or Wi-Fi is not available. The 4G Connect is the gateway between a Smappee installation and the Smappee Cloud, ensuring secure data storage from different components. Data is transferred via 4G. In case of a network outage, data will be stored for one day.

- Gateway between monitoring system/charging station and cloud via 4G
- Gateway between charging station and cloud via 4G
- Ensures secured data storage from components
- 1-day data storage in case of network outage
- Future-proof thanks to over-the-air updates
- Easier multi-site deployments
- Enhanced support through direct access to the charger

Dimensions

55 mm × 55 mm × 26.6 mm
(2.17" × 2.17" × 1.05")

Weight

50 g (1.76 oz)

Operating temperature

-25 °C to 60 °C (-13 °F to 140 °F)

Storage temperature

-25 °C to 90 °C (-13 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m (0 - 6562 feet)

EMC

- EN IEC 61326-1:2021
- ETSI EN 301 489-1
- ETSI EN 301 489-17
- ETSI EN 301 489-52

Safety

- EN IEC 61851-1
- EN IEC 62311:2020

Spectrum

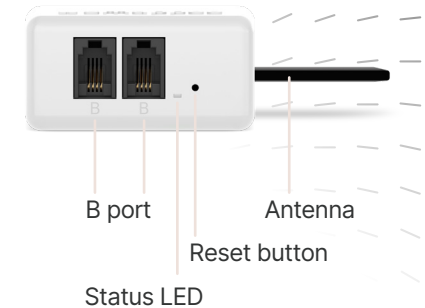
- ETSI EN 300 328
- ETSI EN 301 908-13

Product certifications

CE, FCC, RCM

IP Rating (IEC 60529)

IP X0



Connectivity

- Embedded eSIM with Smappee subscription:
 - Smappee 4G Connect - EMEA: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Ireland, Jersey, Latvia, Lichtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom
 - Smappee 4G Connect - North America: Canada, United States, Mexico
 - Smappee 4G Connect - Oceania: Australia, New Zealand
- 2 × RJ10 for Smappee B-bus
- Female SMA connector for the antenna

Accessories included

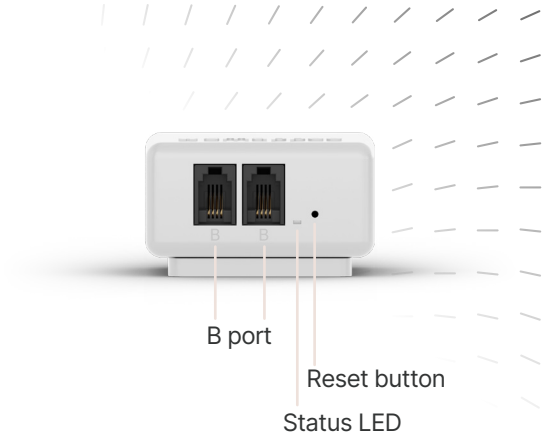
- Wall mounting plate
- Cellular / LTE ultra wide band antenna with hinged connector
- Smappee Bus cable 150 cm (59 inches)

Smappee WiFi connect



The Wi-Fi Connect is, similar to the Genius, the gateway between the Power Box and the cloud (Smappee or other), ensuring secure data storage from different components. Data is transferred via Wi-Fi. In the event of a network outage, data will be stored for one day. The Connect does not offer smart control, unlike the Genius that does offer smart control. When used as gateway in a Smappee EV Line Charging Station it enables smart charging and loads balancing functionalities. The Wi-Fi Connect is a cost-efficient way to add intelligence to the Smappee Infinity setup.

- Gateway between monitoring system and cloud via Wi-Fi
- Future-proof thanks to over-the-air updates
- Cost-effective alternative to the Smappee Genius
- Ensures secured data storage from components
- 1-day data storage in case of network outage



Dimensions

55 mm × 55 mm × 26.6 mm
(2.17 × 2.17 × 1.05 inches)

Weight

45 g (1.59 oz)

Operating temperature

-25 °C to 60 °C (-13 °F to 140 °F)

Storage temperature

-25 °C to 90 °C (-13 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 – 2000 m (0 – 6,562 feet)

EMC

IEC 61326-1, FCC 47 part 15

Safety

IEC 60950-1

Spectrum

EN 300 328 V2.1.1 and EN 300 220

Product certifications

CE, FCC, RCM

IP Rating (IEC 60529)

IP X0

Connectivity

- Wi-Fi 2.4 GHz
- 2 × Smappee Bus B

Accessories included

- Wall mounting plate
- Smappee Bus cable 150 cm (59 inches)

Smappee Power Box



The Power Box is the compact and robust heart of the Smappee Infinity monitoring system. It's compatible with almost any electricity network worldwide and is DIN-rail mountable. It measures the line voltage of the connected phases, collects the currents from the CT sensors and calculates power, active energy, reactive energy and other energy and power quality data. It also provides power to all components.

- Works with almost any electricity network worldwide.
- Energy metering functionalities.
- You can measure up to 28 loads.
- Provides power to the entire system.

Dimensions

55 × 55 × 26.6 mm
(2.17 × 2.17 × 1.05 inches)

Weight

44 g (1.55 oz)

Operating temperature

-25 °C to 75 °C (-13 °F to 167 °F)

Storage temperature

-25 °C to 90 °C (-13 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2,000 m (0 - 6,562 feet)

EMC

IEC 61326-1, FCC 47 part 15

Safety

- IEC 61010-1:2010/COR1:2011
- Complies with UL 61010-1 and CAN/CSA-C22.2 No. 61010-1-12

Impact rating (IEC 62262)

IK 06 (Impact Energy: 1J)

IP Rating (IEC 60529)

IP X0

Power supply input

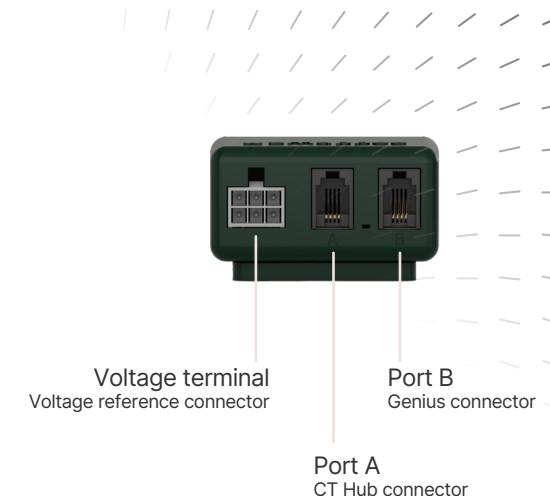
90 - 304,7 V AC

Power consumption

8 W max

Voltage measurement inputs

L1, L2, L3, N



Topology and maximum nominal ranges

- Single phase - 1~: 240 Vrms
- Split phase - 2~: 120/240 Vrms
- 3 phase (3 wires) - 3~: 240 Vrms
- 3 phase (4 wires) - 3~: 240/415 Vrms
- 3 phase (4 wires) - 3~: 277/480 Vrms

Frequency

50/60 Hz

Intended environment conditions

Overvoltage category II

Overvoltage conditions

L1, L2, L3, N

Connectivity

- Smappee Bus A
- Smappee Bus B

Accessories included

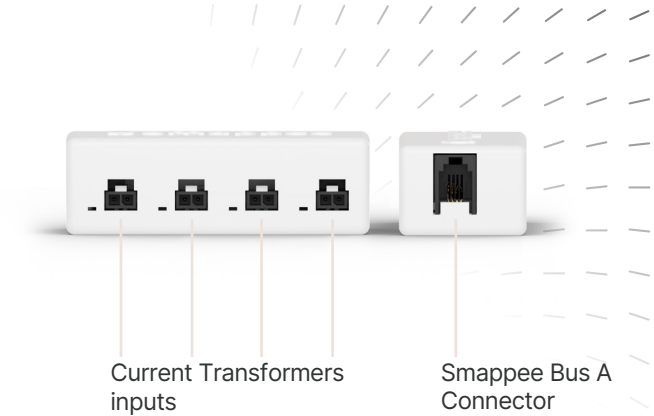
- DIN mounting plate
- Power cable 90 cm open-ended (35.43 inches) or 180 cm open-ended (70.87 inches) in case of I1-VAC-1-US
- Bus termination plug

Smappee CT hub



The CT Hub is the main component of the Smappee Infinity monitoring system. You can connect up to 4 Current Transformers (CTs) or Rogowski coils to a CT Hub to measure different currents up to 10,000 A. This allows for accurate submetering of (a group of) appliances. Daisy chain several CT Hubs to measure different installations up to a distance of 100 meters (109 yards).

- Daisy chain up to 7 CT Hubs up to a distance of 100 meters (109 yards).
- Connect CTs and Rogowski coils to the CT Hubs.
- Measure currents up to 10,000 A.



Dimensions

70 mm × 31 mm × 23 mm
(2.75 × 1.22 × 0.90 inches)

Weight

29 g (1.02 oz)

Operating temperature

-25 °C to 75 °C (-13 °F to 167 °F)

Storage temperature

-25 °C to 90 °C (-13 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 – 2,000 m (0 – 6,562 feet)

EMC

IEC 61326-1, FCC 47 part 15

Safety

IEC 61010-1:2010/COR1:2011

Complies with UL 61010-1 and CAN/
CSA-C22.2 No. 61010-1-12

Product certifications

CE, FCC, CSGSus (UL 61010-1), RCM

IP Rating (IEC 60529)

IP X0

Connectivity

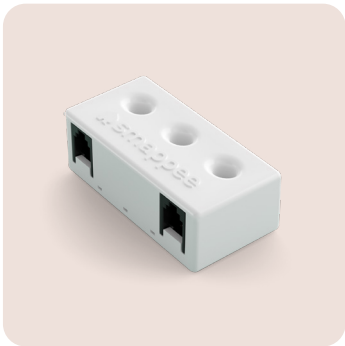
- 2 × Smappee Bus A
- 4 inputs for Smappee split core CTs (50 A, 100 A, 200A, 400 A) and Rogowski coils (internal diameter 12 cm/4.72 inches or 19 cm/7.48 inches or 30 cm/11.81 inches)

Accessories included

Smappee Bus cable 40 cm
(15.75 inches)

Smappee Current Transformers

Smappee offers a wide array of Split Core CTs and Rogowski coils that are compatible with the CT Hub. In addition, Smappee offers a Solid Core 3-Phase CT.



- Typically used for 3-phase measurements.
- Accuracy class 0.2 %.
- Small, compact.
- Cost-effective alternative to the CT Hub with CTs.
- Daisy-chain up to 9 Solid Core 3-Phase CTs or combine with Smappee CT Hubs to measure up to 28 inputs and up to a distance of 100 meters (109 yards).

Input current

3 × 50 A

Outer cable diameter

Maximum 6.7 mm / 0.26 inches

Dimensions

59 × 35 × 23 mm
(2.32 × 1.38 × 0.91 inches)

Weight

45 g (1.59 oz)

Operating temperature

-10 °C to 70 °C (14 °F to 158 °F)

Storage temperature

20 °C to 90 °C (-4 °F to 194 °F)

Relative humidity

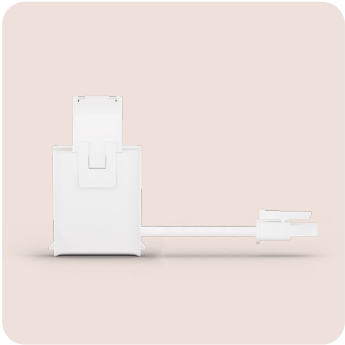
0 % - 95 %, non-condensing

EMC

IEC 61326-1, FCC 47 part 15

Connectivity

- 2x Smappee Bus A
- Accessories included
- Smappee Bus cable 40 cm (15.75 inches)



Type	Article number	L × W × H (mm)	L × W × H (inches)	Max. wire diameter	Cable length
50 A	AC-CT-50A	25.5 × 40.5 × 26	1 × 0.41 × 1.02	10 mm / 0.39 inches	180 cm / 70.87 inches
100 A	AC-CT-100A	32 × 44.5 × 31	1.26 × 1.75 × 1.22	16 mm / 0.63 inches	180 cm / 70.87 inches
200 A	AC-CT-200A	50.5 × 66.5 × 41	1.99 × 2.62 × 1.61	24 mm / 0.94 inches	180 cm / 70.87 inches
400 A	AC-CT-400A	57.8 × 85 × 42.5	2.28 × 3.35 × 1.67	36 mm / 1.42 inches	180 cm / 70.87 inches
50 A	AC-CT-S-50A	25.5 × 40.5 × 26	1 × 0.41 × 1.02	10 mm / 0.39 inches	30 cm / 11.81 inches



Type	Article number	External diameter	Internal diameter	Cable length
0 - 400 A	AC-RSCT-4CM	50 mm / 1.97 inches	40 mm / 1.57 inches	180 cm / 70.87 inches
0 - 1,600 A	AC-RSCT-12CM	140 mm / 5.51 inches	120 mm / 4.72 inches	180 cm / 70.87 inches
0 - 4,000 A	AC-RSCT-19CM	210 mm / 8.27 inches	190 mm / 7.48 inches	180 cm / 70.87 inches
0 - 10,000 A	AC-RSCT-30CM	320 mm / 12.60 inches	300 mm / 11.81 inches	180 cm / 70.87 inches

Smappee Input module



The Smappee Input module can count pulses of up to four digital inputs such as sensors, meters and other devices. It can also monitor state changes (low/high) to trigger other processes. Add up to 10 input modules to the Smappee Infinity setup thanks to its RJ10 connection. The modules transfer all collected data to the Smappee Genius. This data is available in the Smappee App, Dashboard and API.

- Add additional inputs to the Smappee Infinity ecosystem
- 4 digital inputs to count pulses or monitor input status (low/high)
- Daisy-chain up to 10 modules
- The input modules can easily be added thanks to a quick RJ10 connection.
- All reported data is available in the Smappee App, Dashboard and API.

Dimensions

55 mm × 55 mm × 26.6 mm
(2.17" × 2.17" × 1.05")

Weight

49 g (1.72 oz)

Operating temperature

-10 °C to 60 °C (14 °F to 140 °F)

Storage temperature

-20 °C to 90 °C (-4 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 – 2000 m (0 – 6562 feet)

Power supply input range

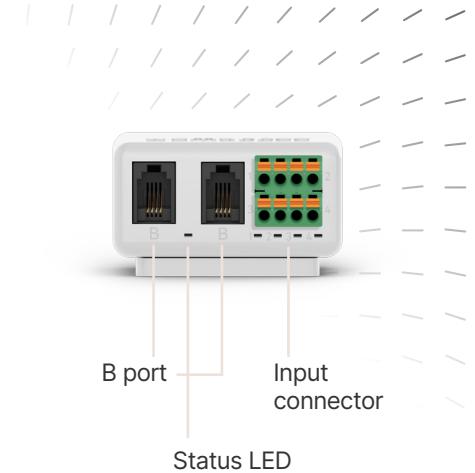
5 - 12 V DC

Connectivity

2 × B port

Input connector

- Removable terminal block, push in spring connection
- Solid cable with diameter range 0.5 to 1.5 mm² (20 AWG - 15 AWG)
Stranded cable not recommended.



Digital input specifications

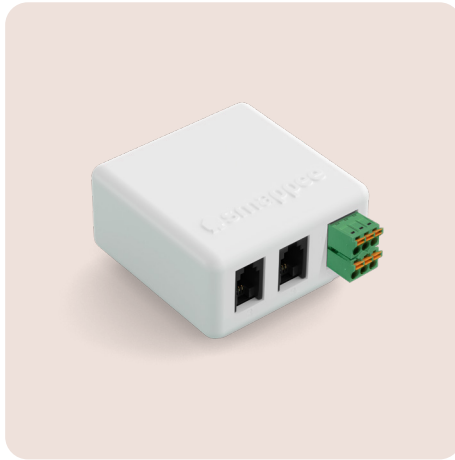
- 4 inputs
- 12 V powered inputs to support external devices with simple contact switch
- All inputs have common power
- Typical current when input is closed: 5 mA
- Inputs can withstand maximum 30 V
- Inputs galvanically isolated from RJ10 connector (1 kV)
- Maximum pulse input frequency: 10 Hz (low pass filtered)

Accessories included

DIN mounting plate

Smappee Bus cable 150 cm
(59 inches)

Smappee Output module



The Smappee Output module is, next to the Smappee Switch and Smappee scenes, a cost-efficient way to add smart control to the Smappee Infinity ecosystem. The module has 2 separate power relay outputs (dual throw: NO/NC/Common). This allows remote control of devices that are either directly powered (max. 5 A switching capability) or control a breaker (single or 3-phase) to steer high power equipment e.g. a motor, EV charging station, hot water boiler. It can also be used as control signal for smart devices such as Smart Grid Ready heat pumps. You can add up to 10 output modules to the Smappee Infinity setup thanks to its RJ10 connection. The modules communicate with the Smappee Genius.

- Add control to the Smappee Infinity ecosystem.
- 2 relay outputs (NO/NC/Common).
- Daisy-chain up to 10 output modules.
- The output modules can easily be added thanks to a quick RJ10 connection.

Dimensions

55 mm × 55 mm × 26.6 mm
(2.17" × 2.17" × 1.05")

Weight

61 g (2.15 oz)

Operating temperature

-10 °C to 60 °C (14 °F to 140 °F)

Storage temperature

-20 °C to 90 °C (-4 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m (0 - 6562 feet)

Power supply input range

5 - 12 V DC

Connectivity

2 × B port



B port

Status LED

Output connector

Output connector

- Removable terminal block, push in spring connection
- Solid cable with diameter range 0.5 to 1.5 mm² (20 AWG - 15 AWG)
Stranded cable not recommended.

Output specifications

- 2 outputs
- Insulated relays output
- 3 contacts per output (NO/NC/C)
- 5 A maximum
- 250 V AC maximum

Accessories included

- DIN mounting plate
- Smappee Bus cable 150 cm (59 inches)

Smappee MID meter



The Smappee MID meter is a calibrated polyphase multifunction kWh meter. It measures and displays the characteristics of single or 3-phase loads with a range of up to 100 A. Its measurements can be used for official energy registrations and billing purposes. The Smappee MID meter is part of the Smappee ecosystem and communicates via Modbus RTU (RS485) with the Smappee Connect. This way you can also consult the data in the Smappee App and Dashboard or any other system via API in addition to reading the data directly from the display of the meter. The meter is certified according to Directive 2014/32/EU and has MID certificate number 0120/SGS0462.

- Add billable data to the Smappee Infinity ecosystem.
- Three Phase 100A direct fed.
- MID B+D certified.
- Accuracy class B.
- Bi-directional measurements for kW and kWh.

DIN rail dimensions 72 mm × 100 mm

Mounting DIN rail (DIN 43880)

Weight 340 g

Operating temperature -25 °C to 55 °C

Storage temperature 40 °C to 70 °C

Reference temperature 23±2 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude 0 – 2000 m

International standard

IEC 62053-21 / EN50470-1/3

Accuracy class Class 1 / Class B

IP Rating IP 51

Intended environment conditions

Pollution degree 2

Overvoltage conditions

CAT III

Mechanical environment M1

Electromagnetic environment E2

Electrostatic discharges

8 kV contact / 1 5 kV air gap

Electromagnetic HF fields

IEC 61000-4-3

Electrical fast transients 4 kV

Nominal voltage (UN)

3 × 230/400 V AC

Operational voltage

80 % ~ 120 % of UN

AC voltage withstand

4 kV for 1 minute

Impulse voltage withstand

6 kV - 1.2 μs

Basic current (Ib)

10 A

Maximum rated current (Imax)

100 A

Operational current range

0.4 % Ib - Imax

Over current withstand

30 Imax for 0.01 s

Frequency

50/60 Hz

Power consumption per phase

≤ 2 W / 10 VA

Display

LCD

Modbus RTU (RS-485) interface

- Type: RS485 semi-duplex
- Connections: 2-wire, maximum distance 1000 m
- Address range: 1 - 247
- Maximum bus loading: 8 pcs
- Protocol: Modbus RTU
- Parity: EVEN/ODD/NONE
- Data bit: 8
- Stop bit: 1
- Baud-rate: 38.400 bit/s

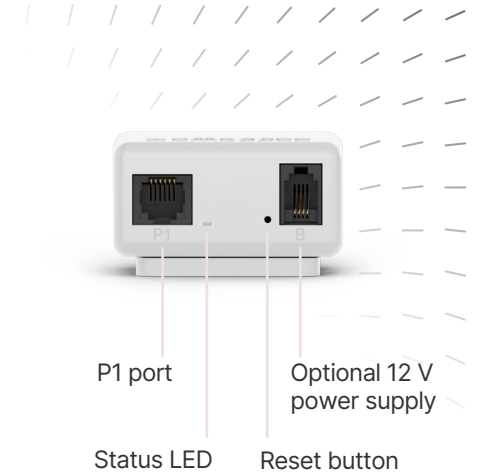
Smappee P1 module



The Smappee P1 module connects directly to the digital utility meter, providing users with real-time energy data for electricity, gas, and water. It also enables advanced features such as dynamic overload protection and charging using only solar surplus. All data is accessible via the Smappee App, Dashboard, and API, empowering users with detailed, actionable insights to improve energy efficiency and achieve cost savings.

- Reads the P1 port of the digital meter
- Monitors real-time and historical data for electricity, gas and water*
- Monitors always-on usage
- Connects via Wi-Fi
- Powered via the P1 port or via optional 12 V power adapter
- Adds dynamic overload protection to your Smappee EV charger

*Gas and water monitoring is only available when these digital meters are connected to the digital electricity meter.



Dimensions

55 mm × 55 mm × 26.6 mm
(2.17" × 2.17" × 1.05")

Weight

50 g (1.76 oz)

Operating temperature

-10 °C to 60 °C (-14 °F to 140 °F)

Storage temperature

-20 °C to 90 °C (-4 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 2000 m

EMC

IEC 61326-1

Spectrum

EN 300 328

Product certifications

CE

Meter compatibility

DSMR 4x and 5x

Connectivity

- Wi-Fi 2.4 GHz
- RJ12 for P1
- RJ10 for 12 V power supply*

Accessories included

- Wall mounting plate
- RJ12 cable
- Power cable RJ10 to USB-A

*A 12 V power adapter is not included.

Smappee Smart Grid Ready module



The Smappee Smart Grid Ready module is developed in accordance with §14a of the German Energy Industry Act (EnWG), which aims to stabilize the power grid by allowing operators to temporarily reduce the consumption of devices, such as private EV charging stations with an output over 4.2 kW, during peak demand. This module ensures that the charging infrastructure meets the technical requirements for integration into a controllable electricity grid.

- Supported on all EV Line chargers: EV Wall, EV One, EV Base, EV Ultra, and future variants.
- One Smappee Smart Grid Ready module required per charger, except for the EV Ultra 40D and 120D, which require two Smart Grid Ready modules.
- The input signal is received from either a digital or analog meter. Analog meters require a ripple control receiver to convert the signal.
- Can be daisy-chained to a digital meter or ripple control receiver.
- Easy addition via RJ10 connection.

Dimensions

55 mm × 55 mm × 26.6 mm
(2.17" × 2.17" × 1.05")

Weight

49 g (1.72 oz)

Operating temperature

-10 °C to 60 °C (14 °F to 140 °F)

Storage temperature

-20 °C to 90 °C (-4 °F to 194 °F)

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

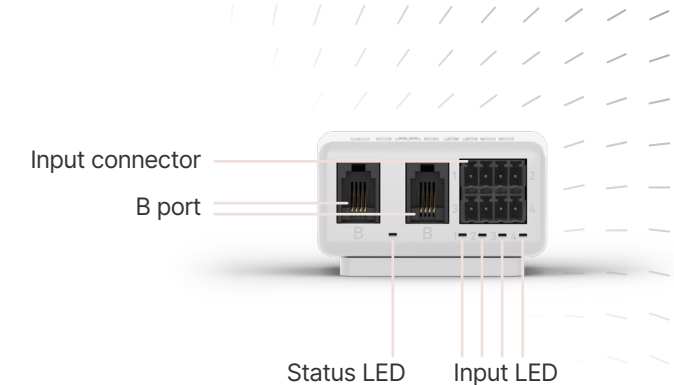
0 - 2000 m (0 - 6562 feet)

Power supply input range

5 - 12 V DC

Connectivity

2 × B port



Input connector

- Removable terminal block, push in spring connection
- Solid cable with diameter range 0.5 to 1.5 mm² (20 AWG - 15 AWG)
Stranded cable not recommended

Digital input specifications

- 2 controls
- All inputs have common power
- Typical current when input is closed: 5 mA
- Inputs can withstand maximum 30 V
- Inputs galvanically isolated from RJ10 connector (1 kV)
- Maximum pulse input frequency: 10 Hz (low pass filtered)

Accessories included

- DIN mounting plate
- Smappee Bus cable 150 cm (59 inches)

Smappee energy management product overview

Infinity	EAN	Description
i1-GW-1	5425036931176	Smappee Genius
i1-GW-3	5425036931442	Smappee Connect
i1-GW-4-EMEA	5425036934771	Smappee 4G Connect
i1-GW-2	5425036931718	Smappee WiFi Connect
i1-VAC-1	5425036931169	Smappee Power Box
i1-IAC-1	5425036931183	Smappee CT hub
i1-IAC-2	5425036931725	Smappee Solid Core 3-Phase CT
i1-INP-1	5425036931404	Smappee Input module
i1-OUT-1	5425036931411	Smappee Output module
i1-EN3-1	5425036931701	Smappee MID meter
Additional hardware		
i1-P1-1	5425036935327	Smappe P1 module
i1-SGR-1	5425036935341	Smappee Smart Grid Ready module

Generation and storage



Smappee BESS 600



The 600 kWh battery system has a 0.5 C capacity. It is ready for use and is suitable for outdoor environments. It features a fully integrated DC all-in-one design and is ecosystem ready. The integrated system includes battery modules, power inverters, HVB, power distribution box, UPS, FFS, air-conditioner and all necessary safety equipment.

The BESS 600 comes with an AI-driven energy management system (EMS) for power trading, optimizing energy costs (including Belpex contracts and capacity fees) and reducing CAPEX to enhance power capabilities.

This product is available in Belgium. Coming soon to other markets.

Dimensions

3000 mm × 2438 mm × 2591 mm

Weight

10,000 kg

Operating temperature

-20 °C to 55 °C
(derating from 45 °C to 65 °C)

Ambient temperature

0 °C to 40 °C

Storage temperature

20 °C to 30 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 3000 m

Standards

EN 50549, IEC 61000, IEC 62477,
IEC 62619, UL9 540A, GB / T36276

Product certification

CE, Synergrid, VDE, G99

Connectivity

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

Mounting method

Ground

Cathode technology

Li-FeP

Enclosure

- Material: SPA-h
- Standard colours:
RAL 7021 (black grey) + RAL 9016
(star white) or wooden cladding
- Rating: IP 54 / IK 10
- Acoustic noise: 0 dB – 75 dB
- Indoor/outdoor use

Nominal input

- Maximum storage: 600 kWh
- Operating voltage range:
DC580V~DC900V
- Maximum charge/discharge power
- 300 kW (0,5 C)
- 6000 cycles @25 °C: 80% SOH*
- 8000 cycles @25 °C: 70% SOH*
- Room temperature calendar life: 15
years

**State of Health (SOH)*

Integrated protective measures

Equipped with gas detector and gas exhaust fan in accordance with EN IEC standards

Smappee BESS 1000



The 1000 kWh battery system has a 0.5 C capacity. It is ready for use and is suitable for outdoor environments. It features a fully integrated DC all-in-one design and is ecosystem ready. The integrated system includes battery modules, power inverters, HVB, power distribution box, UPS, FFS, air-conditioner and all necessary safety equipment.

The BESS 1000 comes with an AI-driven energy management system (EMS) for power trading, optimizing energy costs (including Belpex contracts and capacity fees) and reducing CAPEX to enhance power capabilities.

This product is available in Belgium. Coming soon to other markets.

Dimensions

6058 mm × 2438 mm × 2591 mm

Weight

16,000 kg

Operating temperature

-20 °C to 55 °C
(derating from 45 °C to 65 °C)

Ambient temperature

0 °C to 40 °C

Storage temperature

20 °C to 30 °C

Relative humidity

0 % - 95 %, non-condensing

Operating altitude

0 - 3000 m

Standards

EN 50549, IEC 61000, IEC 62477,
IEC 62619, UL9 540A, GB / T36276

Product certification

CE, Synergrid, VDE, G99

Connectivity

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

Mounting method

Ground

Cathode technology

Li-FeP

Enclosure

- Material: SPA-h
- Standard colours:
RAL7021 (black grey) + RAL9016
(star white) or wooden cladding
- Rating: IP 54 / IK 10
- Acoustic noise: 0 dB – 75 dB
- Indoor/outdoor use

Nominal input

- Maximum storage: 1000 kWh
- Operating voltage range:
DC580V~DC900V
- Maximum charge/discharge power
- 300 kW (0,5 C)
- 6000 cycles @25 °C: 80% SOH*
- 8000 cycles @25 °C: 70% SOH*
- Room temperature calendar life: 15 years

**State of Health (SOH)*

Integrated protective measures

Equipped with gas detector and gas exhaust fan in accordance with EN IEC standards



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