

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, RFID or a payment terminal.
- Elegant and compact 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 or two CCS2 connectors. 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 and a payment terminal can be added. Charging status and how to charge is visible on the display. The EV Ultra has a robust and compact all weather enclosure made of high-quality materials. It's modular set-up and over-the-air updates make the EV Ultra durable and future-proof.

Charging cable:

- Length: 3,25 m
- Weight: 9,5 kg

Operating temperature:

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

Storage temperature:

- 25 °C to 70 °C

Relative humidity:

- 0 % to 95 %, non-condensing

Operating altitude:

- 0 to 2,000 m

Standards:

- IEC 61851-21, ISO 15118, DIN SPEC 70121

Product certifications:

- CE, Eichrecht compliant

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 payment terminal)

Mounting method:

- Floor, with supplied anchor

Enclosure:

- Material: Powder coated steel
- Standard colour: RAL7021 (black grey) optional customization.
- Rating: IP 54 / IK 10
- Acoustic noise: 0 dB - 60 dB
- Indoor / outdoor use

Nominal input:

- Main power supply: 3P + PE
- Auxiliary power supply: 5G2.5 mm²
- Rated voltage (Un): 400 Vac ± 10 %
- Rated frequency (fn): 50 Hz
- Nominal input current: 120 - 700 A
- Power factor: > 98 % at full capacity
- Efficiency: 95 % at full capacity

DC Output:

- Charge mode: Mode 4 (IEC 61851)
- DC Plug: CCS2
- Connection case: Case C (fixed cable)
- Maximum current: 500 A (boost mode)

Smappee EV Ultra versions



ULTRA 480D

- 2 x 240 kW
- 1870 x 920 x 650 mm
- 660 kg
- 2 cables
- 2 dynamic displays
- Input current: 700 A



ULTRA 240S

- 240 kW
- 1870 x 920 x 325 mm
- 240 kg
- 1 cable
- 1 dynamic display
- Input current: 350 A



ULTRA 240D

- 2 x 120 kW
- 1870 x 920 x 325 mm
- 240 kg
- 2 cables
- 2 dynamic displays
- Input current: 350 A



ULTRA 80D

- 2 x 40 kW
- 1870 x 920 x 325 mm
- 240 kg
- 2 cables
- 2 dynamic displays
- Upgradable to 240D
- Input current: 120 A