Smappee EV Base

The smartest charging solution
for businesses.

smappee

Elegant, intelligent and efficient.

The Smappee EV Base keeps the perfect balance between smart and beautiful. It allows for an easy and secure charging of your fleet while cleverly managing your building's energy flows. The built-in Smappee smart charging functionality ensures optimised self-consumption, autonomous overload protection and tailored smart EV schedules. The Smappee EV Base is easy to install, easy to use thanks to fixed cables and offers easy payment via QR codes or integration with an eMSP. The integrated LED lighting and customisable design make the Smappee EV Base an absolute added value for any business car park.

Smart charging functionalities with dynamic load balancing.

The Smappee EV Base offers a simple, ready to use and beautifully designed solution that gets electric cars fully charged while dynamically balancing the other energy flows on site, resolving three key issues linked to EV charging. Firstly, the additional demand can result in blown main breakers. Secondly, there is a lack of visibility and insights in the charging process and costs, leaving users frustrated. And thirdly users are unable to control the use of their solar energy for the charging sessions resulting in extra charging costs.

Autonomous overload protection.

Current infrastructure often cannot cope with the additional energy demand of electric vehicles. This results in blown circuit breakers. Smappee's autonomous overload protection charges vehicles, whilst the building's energy demands are met and the system is maintained within its power limits.

Optimised self-sufficiency.

Integrating an EV charging station into a building heavily impacts the overall energy consumption. Smappee can maximise the use of renewable energy throughout the day for the charging sessions. That way, it optimises self-sufficiency and saves costs.

Real-time & historical charging costs.

Most EV owners have to wait for their monthly bill to see how much their charging costs. The Smappee EV Base offers real-time charging costs in the Smappee App and Dashboard. The app also gives a historical overview so the finance department can keep track of the charging costs of employees. It is even possible to bill a cheaper rate to employees than to visitors.

Part of the Smappee ecosystem.

Via the embedded Smappee Infinity technology, companies enjoy a future-proof product, offering in-depth energy insights and control for optimized energy efficiency. The Smappee EV Base is part of the Smappee Infinity Building Energy Management System (BEMS) and can be linked to all compatible third party IoT products and services in the Smappee ecosystem.
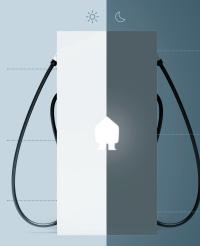
LED lighting
A subtle LED light indicates the charging status and ensures sufficient visibility in the parking area in the evening, offering increased safety.

Easy charging via fixed cables
Save time and space as you no longer have to drag and connect cables. Start charging immediately upon arrival.

Customisable
Adjust the color of the EV Base and the shape of the LED light to fit your company's brand.

Easy installation
Simple cable configuration and installation wizard to support you during every step of the installation.

Easy payment
Plug and charge or pay via QR code or via eMPS. Nice extra: the Smappee App instantly displays the cost of the charge.

Elegant yet robust design
Beautiful to look at and built to last a lifetime.

Technical specifications.

- **Dimensions:** 1200 × 600 × 150 mm
- **Working temperature:** -25°C to 60°C
- **Storage temperature:** -25°C to 80°C
- **Relative humidity:** 0 % - 95 %, non-condensing
- **Standards:** IEC 61851-1 (2017)
- **Product certifications:** CE
- **Integrated Residual Current Monitor (RCM):** Rated operating residual current detection: 6mA DC / 30 mA AC (per connector)

- **Connectivity:**
  - Wi-Fi 2.4 GHz
  - Ethernet 100BASE-T
  - LTE CAT M1 or NB2
  - Communication protocol: OCPP 1.6 J
  - Optional EEBUS, Open ADR
- **Charging:**
  - Maximum charging capacity: Single or triple phase, 3.7 to 22 kW per connector
  - Charge mode: Mode 3 (IEC 61851)
  - Session activation: QR code / Plug & charge / RFID (standard)
  - Information status: RGB LED
  - MID consumption monitoring

- **Encolsure:**
  - Enclosure material: aluminium (structure), outdoor high pressure laminate (casing)
  - Enclosure rating: IP54 / IK08
  - Enclosure standard colors: RAL9016 (star white) + RAL7021 (black grey)
- **Connectors:**
  - 2 charging cables with type 2 connector
  - Connection case: 2 × case C (fixed cable)

High UV resistance

Weatherproof

Shock resistant

Excellent fire resistance

Easy to clean

Eco friendly

- Elegant design, ambient lighting
- Autonomous overload protection
- Optimised self-sufficiency
- Easy installation
- Easy payment options with QR code or eMPS
- Building energy monitoring with real-time and historical energy data

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