

TECHNICAL SPECIFICATIONS

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 one or 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 2.5 m or 5 m
- **Weight:**
 - EV Base station: 32 kg
 - Cable 2.5 m: 1.5 kg
 - Cable 5 m: 3 kg
 - Socket: 0.9 kg
- **Operating temperature:** -25 °C to 60 °C
- **Storage temperature:** -25 °C to 80 °C
- **Relative humidity:** 0 % - 95 %, non-condensing
- **Standards:** IEC 61851-1
- **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
 - Communication protocol: OCPP 1.6 J
- **Mounting method:** Floor
- **Charging:**
 - Maximum charging capacity: Single or 3 phase, 3.7 to 22 kW per connector
 - Output power: Single or 3 phase, 230 V – 400 V, 16 A or 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), outdoor high-pressure laminate (casing)
 - Rating: IP54 / IK10
 - Standard: RAL9016 (star white) + RAL7021 (black grey)
- **Connectors:**
 - 2 x fixed cable with type 2 connector
 - 2 x type 2 socket
 - 1 x fixed cable with type 2 connector (left or right)
 - 1 x type 2 socket (left or right)