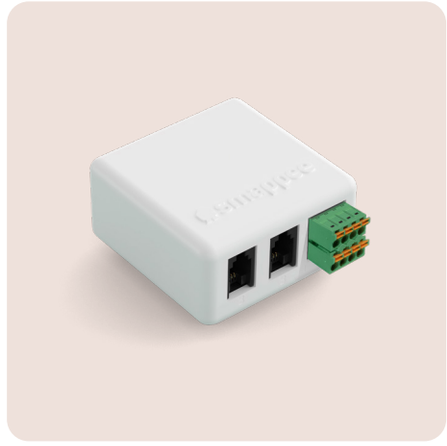
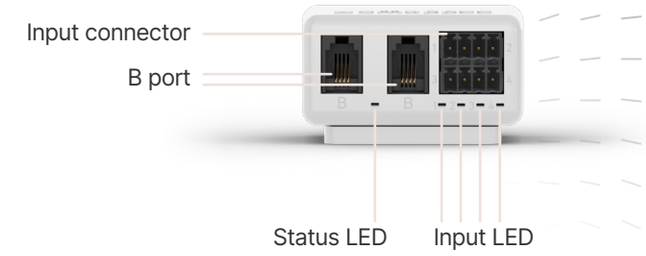
Smappee Smart Grid Ready module



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

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
  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)

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