

Data sheet eTower 200

European Model: cable, payment terminal

Article no. i00022270

As a state-of-the-art charging station for High Power Charging (HPC), the eTower 200 Europe offers a charging capacity of up to 200 kW. Its modular design enables dynamically maximised power output to two connected vehicles.

The charging option for vehicles with 400 and 800-volt battery technology makes it very future-proof. The eTower 200 HPC brings particularly low-noise charging to attractive locations. It can be installed directly in front of walls to save space and is easy to maintain, which guarantees cost-effective upkeep.

The eTower is AFIR-compliant with a payment terminal including pinpad and RFID reader and it is ready for national calibration law specifications with SAM international.



Highlights

- Charging with up to 200 kW
- LED state of charge indication, high visibility from afar
- Direct connection to public distribution grid
- Includes Payment Terminal
- payment according to AFIR
- LAN and 4G connectivity
- ISO 15118-2 (PnC functionality upcoming)
- ISO 15118
- All protective components integrated
- Frontaccess point for connection and servicing
- Can be installed directly in front of walls
- Minimum overall height and depth for maximum flexibility
- Connection to IT backends via: OCPP 1.6J
- Energy/load management: Modbus protocol
- Particularly low noise emission with < 55 dB enables operation in residential areas
- Minimum energy consumption in standby mode < 50 W
- Facilitated installation due to wire hub and forklift mounting system
- Ambient lighting
- Lowest height in all-in-one class: 2.03 m
- Remote maintenance access: faster fault clearance and thus higher availability

Accessories

- Concrete base + base filler granulate
- Customised RAL colour

Technical data

General

| | |
|---------------------------|--|
| Charging mode | DC, mode 4 |
| Number of charging points | 2 |
| Charging connector | 2x CCS charging cable (3,5 m) |
| IT backend connection | Ocpp 1.6 JSON |
| Authorisation | Free charging, RFID, smartphone app, credit card, girocard |

Mechanical details

| | |
|------------------------|--|
| Mounting type | Base mounted (bm) |
| Enclosure material | Stainless steel |
| Surface | Powder coated |
| Lock | Swivelling lever, built-in space for one profile half cylinder |
| Dimensions (H x W x D) | 2,030 x 1,200 x 450 mm |
| Weight | Approx. 750 kg |

Electrical data

| | |
|--|---|
| Maximum charging output per charge point | DC: max. 200 kW flexible load distribution to both charge points |
| Nominal voltage, number of phases, nominal frequency | 400 V; 3; 50 Hz |
| Output voltage | 200 - 800 V |
| Maximum input current | 342 A per phase, configurable |
| Maximum output current | 500 A |
| Device power consumption in standby mode | < 50 W |
| Efficiency | > 96% |
| Connections | 5-pole terminals (max. 240 mm ²) |
| Earthing system | TN |
| Protection | MCCB 400 A |
| Overvoltage protection | Type 1+2+3 compliant with DIN EN 61643-11 |
| Protection class | 1 |

Technical data

Connectivity

| | |
|--|--|
| Communication interface to IT backends | LAN, mobile data network (2G/4G) |
| Protocols for communication with IT backends | OCPP 1.6 JSON |
| Protocols for communication with third-party devices | Modbus TCP/IP |
| Communication Interface EV and EVSE | ISO 15118, DIN SPEC 70121 |
| Update capability | LAN, mobile data |
| User interface | User instructions via display and four buttons |
| Status display | LED status indicator for each charge point + LED strip |
| Display | Size: 15" display |

Certification

| | |
|--------------------------------|--|
| IP protection class | IP54 |
| Impact resistance | IK10 |
| Meter / German calibration law | DC meter with SAM storage and display module |
| Approvals | CE, RoHS, REACH, GPSD, WEEE |
| Standards | IEC 61851-1; IEC 61851-23; IEC 62196; ISO 14443A/B; IEC 61851-21-2; VDE-AR-N-4100 |

Environmental conditions

| | |
|-------------------------------------|-----------------------------------|
| Storage temperature | -25 °C bis +50 °C |
| Environmental operating temperature | -25 °C to +40 °C |
| Humidity | < 95 % (non-condensing) |
| Degree of pollution | 3 |
| Noise level | < 55 dBA (measuring distance 1 m) |
| Areas of use | Internal & external areas |
| Operating altitude above sea level | 2,000 m max. |

Measurements



Illustrations





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The power to move



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Technical changes and errors excepted.