Data sheet
eTower 200

European Model: flexible payment terminal

Article no. 12236777

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. Depending on customer requirements, the eTower 200 can be flexibly equipped with different payment terminals. This is used for convenient direct payment and activation; as an alternative activation method, the charger offers an RFID reader.

Highlights

- Charging with up to 200 kW

- LED state of charge indication, high visibility from afar

- Free charging, RFID, smartphone app, slot for external payment terminal

- 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, slot for external payment terminal

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 - 920 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 mm²)
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

2,030 mm

450 mm   1,200 mm

Illustrations