

Data sheet eTower 200

As a state-of-the-art charging station for High Power Charging (HPC), the eTower 200 offers a charging power of up to 200 kW. Its modular design allows flexible power distribution to two connected electric vehicles.

ISO 15118 and the charging option for vehicles with 400-volt and 800-volt battery technology make the HPC charger very future-proof. Space-saving and quiet, the eTower 200 brings HPC charging to attractive locations. It is easy to install and maintain, which guarantees cost-efficient maintenance. With SAM technology, it offers billing in compliance with the German calibration law. The integrated payment terminal with pin pad offers the best charging experience.



Highlights

- Charging with up to 200 kW
- LED state of charge indication, high visibility from afar
- Bright all-weather display for easy handling
- Direct connection to public distribution grid
- Includes Payment Terminal
- Optional calibration law-compliant billing via OCMF
- Optional calibration law-compliant billing via SAM storage and display module
- 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 via Modbus protocol, FNN standard control box interface
- Particularly low noise emission with < 55 dB at 1 m measuring distance
- Facilitated installation due to wire hub and forklift mounting system
- Ambient lighting
- Lowest height in all-in-one class: 2 m
- Remote maintenance access: faster fault clearance and thus higher availability

Technical data

General informationen

Charging mode	DC, mode 4
Number of charging points	2
Charging connector	2x CCS charging cable (3,5 m); option 2x CCS charging cable (6 m) with integrated cable management system
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)	2,000 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
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	With SAM storage and display module, optional calibration law-compliant
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 (1 m measuring distance)
Areas of use	Internal & external areas
Operating altitude above sea level	2,000 m max.

Technical data

Measurements



Viewpoints





The power to move



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