

# Data sheet eTower 200

**Model: calibration law-compliant, payment terminal (Payone)**

Article no. 12236788

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

The charging option for vehicles with 400 and 800-volt battery technology makes it very future-proof. The eTower 200 HPC brings particularly quiet 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 maintenance.

The eTower is AFIR-compliant with a payment terminal including pinpad and RFID reader, and is compliant with calibration law using SAM technology.



# 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 according to AFIR
- High cybersecurity according to RED
- 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 only 49.4 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
- Very high efficiency of up to 97.5 %

# 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, giro and credit card |

## 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<br>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                                           | up to 97.5 %                                                        |
| 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 15118-2 according to AFIR, 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;<br>IEC 61851-21-2; VDE-AR-N-4100; ISO 15118-2 |

## 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                         | 49.4 dBA (measuring distance 3 m) |
| Areas of use                        | Internal & external areas         |
| Operating altitude above sea level  | 2,000 m max.                      |

## Measurements



## Illustrations





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Technical changes and errors excepted.

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