

# Data sheet CITO 500 Europe

European Model: 2 charge poins, payment terminal

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Whether at the supermarket car park or even at the car dealership, charging with 50 kW is becoming more and more relevant alongside ultrafast charging.

At less powerful grid connections in particular, all vehicles can be charged with up to 50 kW (DC) at the CITO 500, regardless of their onboard charging device. In parallel, up to 22 kW (AC) can be charged at a second charging point of the CITO 500.

The best charging experience is offered by the integrated payment terminal including pinpad. The CITO 500 is ready for direct payment - be it with a girocard, credit card or smartphone. The Europe variant of the CITO 500 is designed for international use.



### Highlights

- Charging with up to 22 kW AC and 50 kW DC
- DC and AC charging of two electric vehicles in parallel
- Includes Payment Terminal
- LAN and 4G connectivity
- All protective components integrated
- Maintenance and installation optimised front and side access

- · Can be installed directly in front of walls
- 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 enables operation in residential areas
- Ambient lighting

### Configuration

Load management packages

### Accessories

Concrete base + base filler granulate

## Technical data

#### General informationen

| Charging mode                  | AC, mode 3 / DC, mode 4                                  |
|--------------------------------|--|
| Number of charging points      | 2  |
| Charging connector             | 1x type 2 socket, 1x CCS charging cable (3.4 m)          |
| IT backend connection          | OCPP 1.6 JSON  |
| Authorisation                  | Free charging, RFID, smartphone app, giro or credit card |
| Package dimensions (W x D x H) | 1,200 x 800 x 2,200 mm, shipped on Euro pallet           |

#### 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) | 1,995 x 640 x 511 mm   |
| Weight                 | Approx. 300 kg   |

#### Electrical data

| Maximum charging output per charge point             | AC: 22 kW; DC: 50 kW  |
|--|---|
| Nominal voltage, number of phases, nominal frequency | 400 V; 3; 50 Hz   |
| Maximum input current                                | 112 A per phase, configurable   |
| Device power consumption in standby mode             | < 50 W  |
| Efficiency   | > 94 %  |
| Connections  | 4-pole main switch (max. 75 mm²) + PE terminal + main earthing bar<br>with connection for local earth electrode |
| Earthing system                                      | TN, TT  |
| Protection   | AC: RCD type A & DC residual current detection 6 mA;<br>DC: LS C100   |
| Overvoltage protection                               | Type 1+2+3 compliant with DIN EN 61643-11   |
| Protection class                                     | 1   |
| Welding detection                                    | Hardware-based redundant cut-off  |

## Technical data

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Areas of use

Operating altitude above sea level

| 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  |
| Update capability                                    | LAN, mobile data   |
| User interface                                       | User instructions via display  |
| Status display                                       | LED status indicator for each charge point   |
| Display  | Size: 4.3" display   |
|  |  |
| Certification  |  |
| IP protection class                                  | IP54   |
| Impact resistance                                    | IK10   |
| Meter / German calibration law                       | AC: MID-compliant smart meter with SAM storage and display module; DC: meter with SAM storage and display module |
| Approvals  | CE, RoHS, REACH, GPSD, WEEE  |
| Standards  | DIN EN 61851-1; DIN EN 61851-23; DIN IEC/TS 61439-7  |
|  |  |
| Environmental conditions                             |  |
| Storage temperature                                  | -25 °C to +50 °C   |
| Environmental operating temperature                  | -25 °C to +40 °C   |
| Humidity   | < 95 % (non-condensing)  |
| Degree of pollution                                  | 3  |
| Noise level  | < 55 dBA   |

Internal & external areas

## Technical data

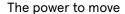
#### Measurements



#### Viewpoints



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