COMPLEO

The power to move

Data sheet CITO 500

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Apart from ultra-rapid charging, charging with 50 kW is becoming ever more relevant, be it on the supermarket car park or in the bus depot.

At less powerful grid connections in particular, all vehicles can be charged with up to 50 kW at the CITO 500, regardless of their onboard charging device.

In addition, SAM technology provides calibration law-compliant metering in Germany.

With the optional integrated payment terminal the CITO 500 is ready for all types of payment.

Version 20230301

Highlights

- Charging with up to 22 kW AC and 50 kW DC
- DC and AC charging of two electric vehicles in parallel
- Optional payment Terminal with pin pad, available in Germany and Austria (other countries on request)
- Giro-e able
- Calibration law-compliant billing via SAM storage and display module
- 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
- Particularly low noise emission with < 55 dB enables operation in residential areas
- Ambient lighting

Options & Accessories

- Giro-e
- Concrete base + base filler granulate
- Load management packages
- Load management configuration service

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, optional: Giro-e, Credit Card Terminal
Package dimensions (WxDxH)	120 x 80 x 220 cm, 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 (HxWxD)	base mounted version: 1995 x 640 x 511 mm
Weight	Approx. 300 kg, depending on added options

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 with connection for local earth electrode
Earthing system	TN, TT
Protection	AC: RCD type A & DC residual current detection 6 mA; 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

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

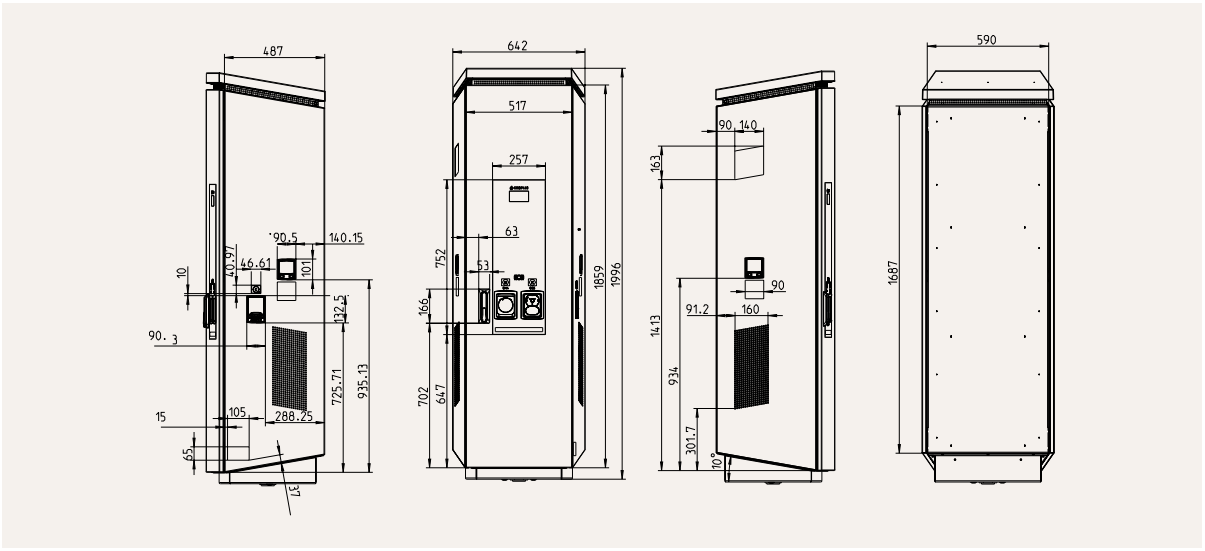
IP protection class	IP54
Impact resistance	IK10
Meter / German calibration law	AC: MID-compliant smart meter with SAM storage and display module; DC: meter with SAM storage and display module
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN EN 61851-23; DIN IEC/TS 61439-7

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
Areas of use	Internal & external areas
Operating altitude above sea level	2,000 m max.

Technical data

Technical drawing



Mounting options

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