

Data sheet CITO 240

Faster DC charging is becoming increasingly popular. It does not always necessarily need to be ultra-fast.

At less powerful grid connections in particular, all vehicles can be charged with up to 24 kW at the CITO 240, regardless of their onboard charging device.

In addition, the SAM[®] module provides calibration law-compliant metering of charging sessions.



Product images contain special coloring.

Highlights

- Charging with up to 22 kW AC and 24 kW DC
- Up to 3 charging connectors on one charging station
- DC and AC charging of two electric vehicles in parallel
- Calibration law compliant-billing via SAM® storage and display module
- LAN and 4G connectivity
- All protective components integrated
- Single point of service – frontal access for connection and servicing
- Connection to IT backends via: OCPP 1.6J
- Optional with Giro-e
- Can be installed directly in front of walls
- Optional credit card terminal and keypad

Options & Accessories

- Giro-e; minimum order quantity 100 units
- IT backend connection
- Highline package; incl. self-resetting RCDs and lockable sockets
- 2x BKE-I for eHZ; for 22 / 22 kW, max. 44 kW
- Installation of locking cylinder; supplied by customer
- SMC 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 - 3
Charging connector	1x type 2 socket, 1x CCS charging lead (3 m); optional CHAdeMO charging lead (3 m)
IT backend connection	OCPP 1.6 JSON
Authorisation	Free charging, RFID, smartphone app, optional: Giro-e
Package dimensions (WxDxH)	120 x 80 x 200 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)	Floor mounted version: 1608 x 721 x 341 mm
Weight	Approx. 160 kg, depending on added options

Electrical data

Maximum charging output per charge point	AC: 22 kW; DC: 24 kW
Nominal voltage, number of phases, nominal frequency	400 V; 3; 50 Hz
Maximum input current	80 A per phase, configurable
Device power consumption in standby mode	< 25 W
Efficiency	> 94% at 100% output @ 65 A @ 400 V DC
Connections	4-pole master switch (max. 50 mm ²) + 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 C50
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

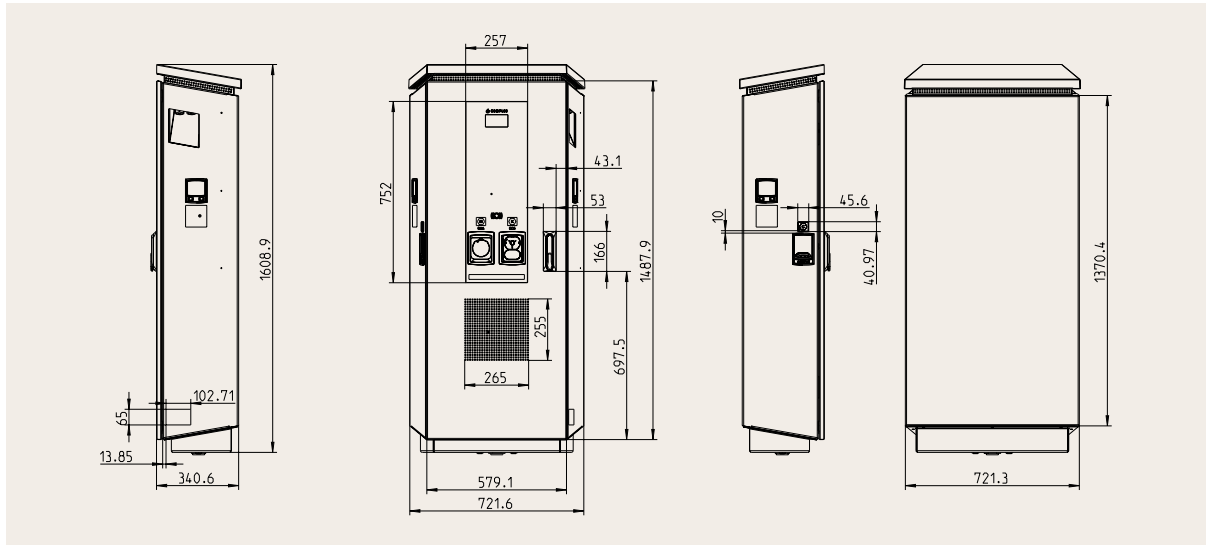
IP protection class	IP54
Impact resistance	IK10
Meter / German calibration law	AC: MID-compliant smart meter with SAM® storage and display module; DC: with SAM® storage and display module
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN EN 61851-23; DIN IEC/TS 61439-7

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	< 60 dBA
Areas of use	Internal & external areas
Operating altitude above sea level	2,000 m max.

Technical data

Technical drawing



Mounting options





The power to move



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