COMPLEO

The power to move

Data sheet
SOLO premiumline

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The SOLO premiumline is particularly suitable for connected use by employers, for example in underground garages, or in apartment buildings and private homes.

Information for users can be shown on its 3.5'' display. It integrates all protective components in one housing, which saves costs and installation space in the electrical distribution board. Both a type A residual current circuit breaker and overvoltage protection are included in the housing in addition to the DC residual current detection. The SOLO has an integrated Service RCD, which can be reset through the sliding cover.

For locations with several charging points, convenient load management is included without running costs. The SOLO is open for any OCPP backend and it is in compliance with the German calibration law through the SAM module. Configuration is carried out via the Ducto web interface. Charging processes are activated via app or RFID charging card. Optionally available with type 2 socket (22 kW) or with type 2 spiral cable (11 kW).

Version 20240417

Highlights

- Charging with up to 22 kW AC
- Giro-e able
- Calibration law-compliant billing via SAM storage and display module
- Convenient single-hand operation
- LAN and 4G connectivity
- ISO 15118 ready
- Connection to IT backends via: OCPP 1.6J
- Energy/load management: Modbus protocol
- Ambient lighting
- Accessible SIM card slot for inserting or exchanging the SIM card
- RCD self-test functionality
- RCD resetable with sliding cover

Models

- SOLO premiumline SAM
- SOLO premiumline cable SAM

Accessories

- Pole for one SOLO
- Pole for two SOLOs
- SMC-base for Pole

Technical data

General

Charging mode	AC, Mode 3
Number of charging points	1
Charging connector	Type 2 socket (incl. sliding cover), optional type 2 charging cable (6.5 m)
IT backend connection	OCPP 1.6 JSON
Authorisation	Free charging, RFID, smartphone app
Package dimensions (H x W x D)	Wall mounted: 735 x 320 x 205 mm (socket); 870 x 320 x 205 mm (cable)

Mechanical details

Mounting type	Wall mounted (WM)
Enclosure material	Thermoplastic material
Surface	Scratch-resistant coating
Lock	profile half cylinder addable
Dimensions (H x W x D)	Wall mounted: 660 x 250 x 150 mm
Weight	Approx. 8 kg

Electrical data

Maximum charging output per charge point	22 kW: Typ 2 socket; 11 kW: Typ 2 coiled cable
Nominal voltage, number of phases, nominal frequency	400 V; 3; 50 Hz
Maximum input current	16/32 A per Phase, configurable
Maximum output current	32 A
Device power consumption in standby mode	< 9 W
Connections	5-pole terminals (max. 10 mm² rigid or 6mm² flexible)
Earthing system	TN, TT
Protection	RCD type A; DC residual current detection 6 mA; overvoltage protection type 1+2+3 (socket) or type 2+3 (attached cable)
Protection class	2
Welding detection	Hardware-redundant shutdown

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
Control ability	Control contacts for power adjustment
Update capability	LAN, mobile data
User interface	3,5" Display
Status display	LED status indicator for each charge point
Display	3,5" Display

Certification

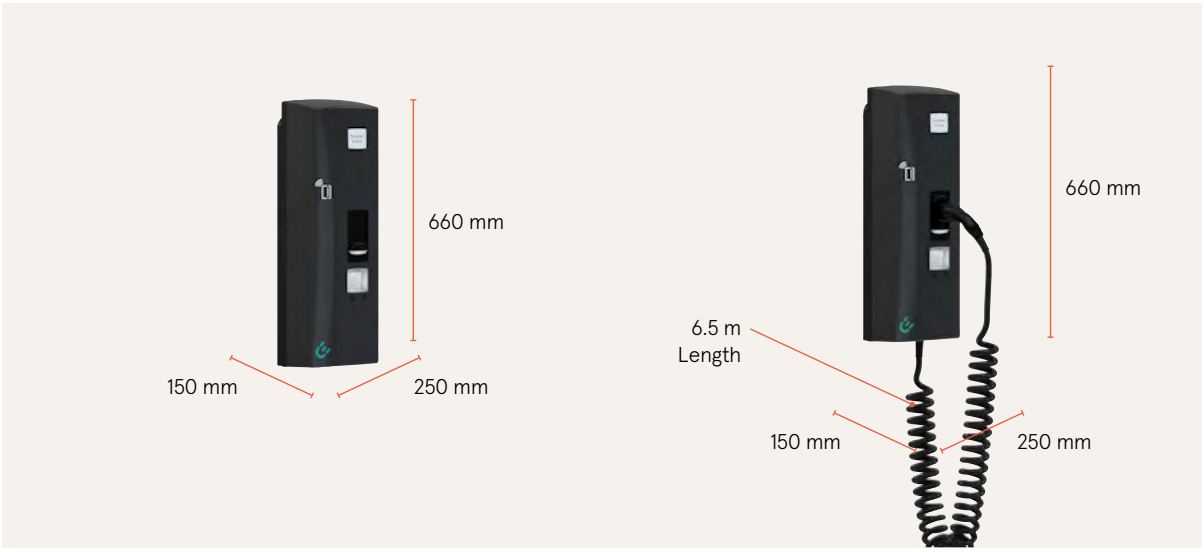
IP protection class	IP54
Impact resistance	IK08
Meter / German calibration law	MID-compliant smart meter with SAM storage and display module
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN IEC/TS 61439-7

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
Areas of use	Internal & external areas
Operating altitude above sea level	Max. 2.000 m

Technical data

Measurements



Viewpoints

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Technical changes and errors excepted.