

# Data sheet DUO fleet

Article no. i00009300, i00009948, i00009314, i00009978

Think bigger with the DUO fleet – incorporate more charging points, reduce the need for upgrading the power grid and use fewer resources.

Using Compleo's power-rail technology, the charging stations are connected in series, saving up to 50% in installation costs. Up to now, a separate power line was required for each charging station. With the DUO fleet and the patented power-rail technology system, up to 30 charging stations can be connected in series.

The integrated load management system distributes the load on the power grid intelligently, saving up to 50% in grid connection costs.



# Highlights

- Charging with up to 2x 22 kW AC
- Up to 30 charging stations per grid connection thanks to Comoleo's Power-Rail technology
- Includes Ethernet switch with four free ports
- Giro-e able
- Optional calibration law-compliant billing via SAM storage and display module
- Convenient single-hand operation
- LAN and 4G connectivity
- All protective components integrated
- Increased protection from vandalism due to highly impact resistant fibreglass reinforced plastic enclosure (IK10 rating, incl. display)
- Frontaccess point for connection and servicing
- Connection to IT backends via: OCPP 1.6J

# Accessories

- SMC base + base filler granulate
- Installation kit for installation without ready-made base

# Technical data

## General informationen

Charging mode	AC, mode 3
Number of charging points	2
Charging connector	2x type 2 socket, incl. sliding cover; optional 2x type 2 spiral cable (6.5 m)
IT backend connection	OCPP 1.6 JSON
Authorisation	Free charging, RFID, smartphone app, optional: Giro-e
Package dimensions (WxDxH)	120 x 80 x 165 cm, up to six charging stations on one Euro pallet

## Mechanical details

Mounting type	Base mounted (bm)
Enclosure material	Sheet moulding compound (SMC)
Surface	Painting: enclosure RAL 7016, textured paint
Lock	Swivelling lever, built-in space for one profile half cylinder
Dimensions (HxWxD)	1441 x 400 x 225 mm
Weight	Approx. 35 - 45 kg, depending on added options

## Electrical data

Maximum charging output per charge point	22 kW: type 2 socket; 11 kW: type 2 spiral cable
Nominal voltage, number of phases, nominal frequency	400 V; 3; 50 Hz
Maximum input current	32 A / 63 A per phase, configurable
Maximum output current	32 A
Device power consumption in standby mode	< 13 W
Connections	Integrated busbar system (Daisy chain technology)
Earthing system	TN, TT
Protection	2x RCD type A; 2x DC residual current detection 6 mA; 2x circuit breaker C20 3P or C40 3P; 1x circuit breaker B16 1P
Overvoltage protection	Type 1+2+3 compliant with DIN EN 61643-11
Protection class	2
Welding detection	2x 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
Status display	LED status indicator for each charge point
Display	Size: 4.3" display

## Certification

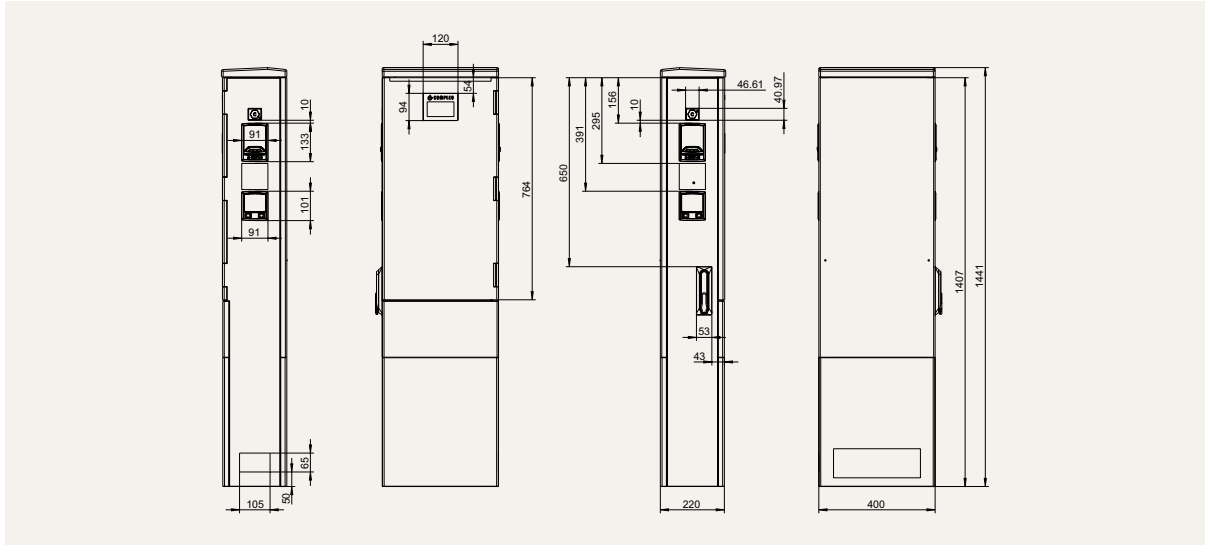
IP protection class	Enclosure: IP44; relevant components: IP54
Impact resistance	IK10
Meter / German calibration law	2x MID-compliant smart meter; optional with SAM® storage and display module
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN IEC/TS 61439-7

## Environmental conditions

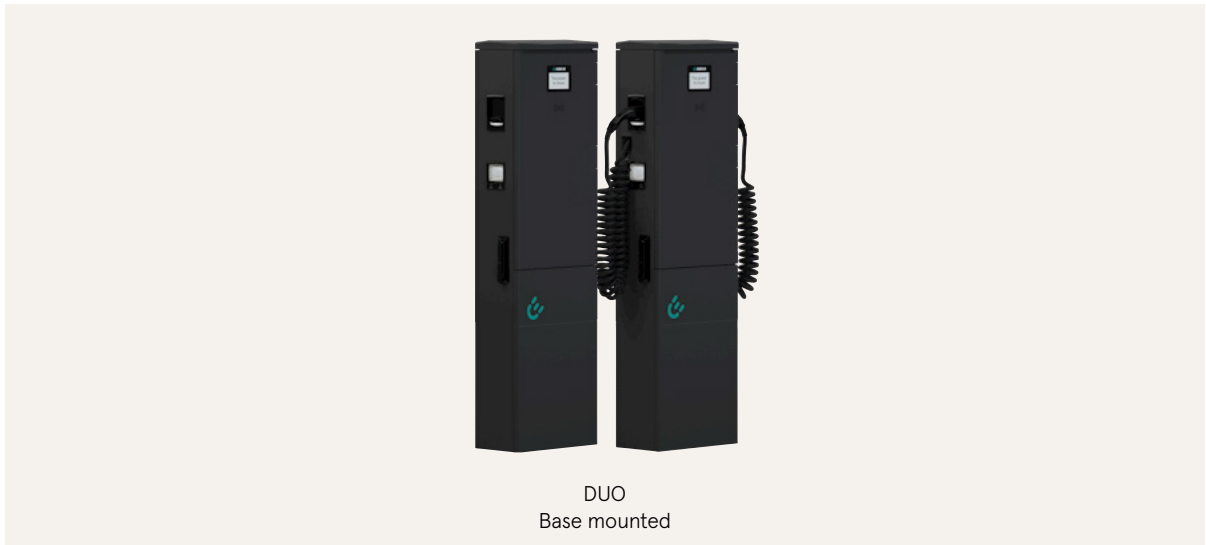
Storage temperature	-25 °C to +50 °C
Environmental operating temperature	-25 °C to +40 °C
Humidity	< 95 % (non-condensing)
Degree of pollution	3
Areas of use	Internal & external areas
Operating altitude above sea level	2,000 m max.

# Technical data

## Technical drawing



## Mounting options





The power to move



Compleo Charging Solutions AG  
Ezzestraße 8  
44379 Dortmund  
Germany

[info@compleo-cs.com](mailto:info@compleo-cs.com)  
[compleo-charging.com](https://compleo-charging.com)

©2023 Compleo. All rights reserved.

This document may not be copied or reproduced in any form or by any means, in whole or in part, without written permission. All illustrations in this document serve only as examples and may differ from the delivered product. All information in this document is subject to change without notice and does not represent a commitment on the part of the manufacturer.

Technical changes and errors excepted.