

# Data sheet DUO fleet

Model: socket, calibration law-compliant

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The DUO fleet thinks bigger - in terms of more charging points, less network expansion and careful use of resources. With the patented Compleo Power Rail technology, up to 30 charging stations can be connected in series, saving up to 50 % in installation costs.

The professional charging solution is ideal for commercial use and for equipping entire parking areas. It features a particularly durable housing that will never rust. As an all-in-one charging station, all components are already integrated. The DUO fleet offers charging in compliance with German calibration regulations via the SAM module. With SAM technology, the user can view and check consumption even without a connection to the IT backend. It has two type2 sockets and offers fast charging with up to 22 kW (AC) at each charging point.



# 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
- 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
- Energy/load management via Modbus protocol, FNN standard control box interface

# Accessories

- SMC base + base filler granulate
- Installation kit for installation without prefabricated base

# Technical data

## General informationen

Charging mode	AC, mode 3
Number of charging points	2
Charging connector	2x type 2 socket, incl. sliding cover
IT backend connection	Ocpp 1.6 JSON
Authorisation	Free charging, RFID, smartphone app, optional: Giro-e
Package dimensions (W x D x H)	1,200 x 800 x 1,650 mm, 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 (H x W x D)	1,441 x 400 x 225 mm
Weight	Approx. 38 kg

## Electrical data

Maximum charging output per charge point	22 kW: Type 2 socket
Nominal voltage, number of phases, nominal frequency	400 V; 3; 50 Hz
Maximum input current	63 A per phase, configurable
Maximum output current	32 A
Device power consumption in standby mode	< 13 W
Connections	Integrated busbar system (Power-rail 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 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

## Measurements



## Viewpoints





The power to move



Compleo Charging Solutions GmbH & Co. KG

Ezzestraße 8  
44379 Dortmund  
Germany

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

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