

Data sheet

DUO fleet

Model: socket, Service RCD

Article no. 12239606

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% on installation costs.

The professional charging solution is ideal for commercial use and for equipping car parks. It is characterised by a durable housing that will never rust. As an all-in-one charging station, all components are already integrated in the DUO fleet. It has an automatically resettable Service RCD as standard. The DUO fleet has two Type 2 sockets and offers fast charging with up to 22 kW (AC) at every charging point.

Thanks to its display solution, the charging station complies with the Europe-wide AFIR regulations for direct payment.



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
- 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: Modbus protocol
- RCD self-test functionality
- RCD resetable with sliding cover

Accessories

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

Technical data

General

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
Package dimensions (H x W x D)	1,650 x 800 x 1,200 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
Measurement accuracy	Class A (DIN EN 50470)
Power factor $\cos\phi$	0,90 - 1
Calibration law	The measurement accuracy of this meter is guaranteed only from a minimum output energy quantity of 1 kWh

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
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN IEC/TS 61439-7

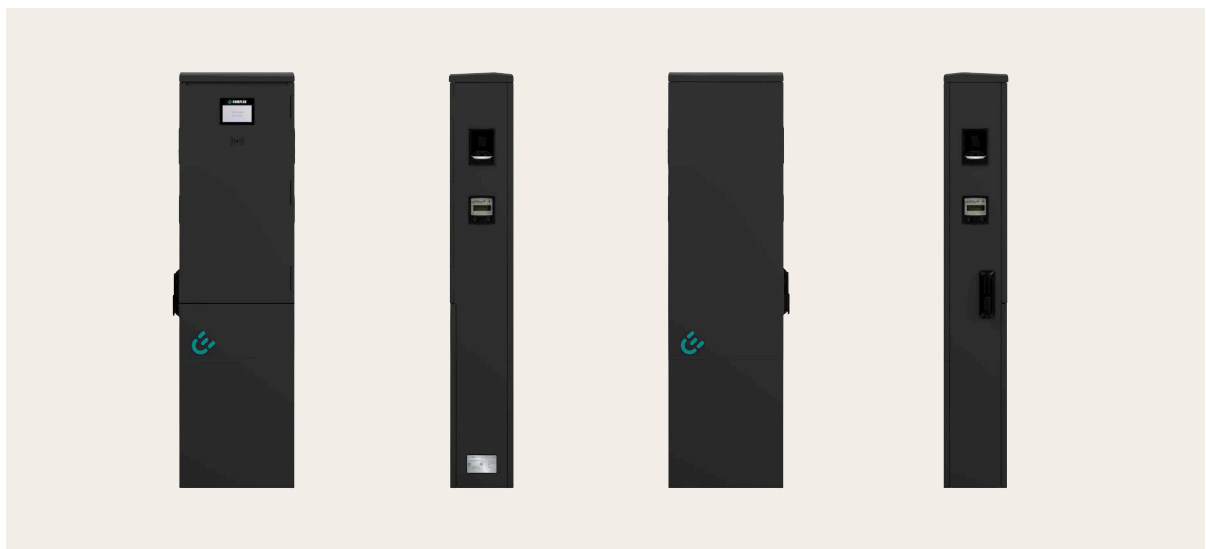
Environmental conditions

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.

Measurements



Illustrations/model variants





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Technical changes and errors excepted.

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The power to move