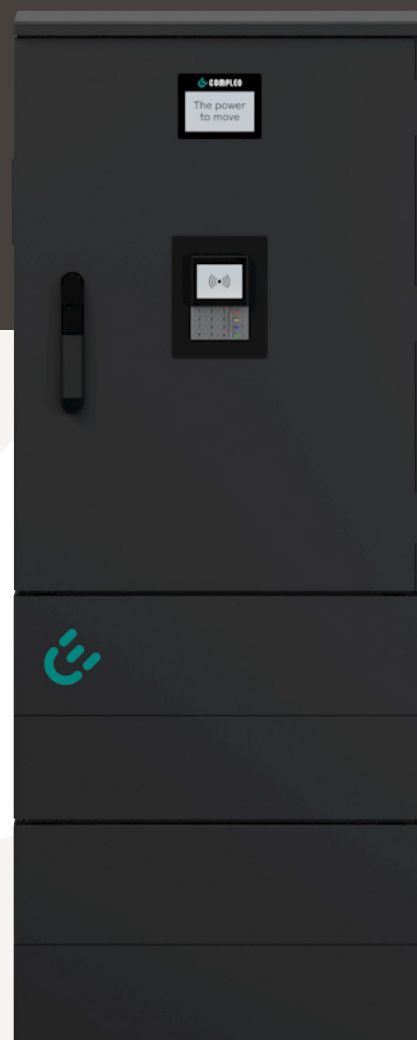


Data sheet DUO ims

The DUO ims was developed especially for being connected directly to the public distribution grid. All components are integrated into this all-in-one charging station, reducing installation time and costs.

Always up to date for technical requirements and regulations in the German market. The SAM module provides maximum transparency in calibration law-compliant billing. The optional payment terminal is ready for all types of payment and offers a pin pad.



Highlights

- Charging with up to 2x 22 kW AC
- Direct connection to public distribution grid
- Includes Payment Terminal
- Giro-e able
- Calibration law-compliant billing via SAM storage and display module
- Convenient single-hand operation
- LAN and 4G connectivity
- All components required to comply with VDE-AR-N 4100 fitted
- 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

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, giro and credit card
Package dimensions (WxDxH)	120 x 80 x 170 cm, up to two 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 with double lock, built-in space for two profile half cylinders
Dimensions (HxWxD)	base mounted version: 1483 x 590 x 320 mm
Weight	Approx. 72 - 77 kg, depending on added options

Electrical data

Maximum charging output per charge point	22 kW
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	House connection box with steel frame terminals (10 to 95 mm ²) Equipotential bonding rail with connection for local earth electrode
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
User interface	LAN, mobile data
Display	LED status indicator for each charge point Size: 4.3" display

Certification

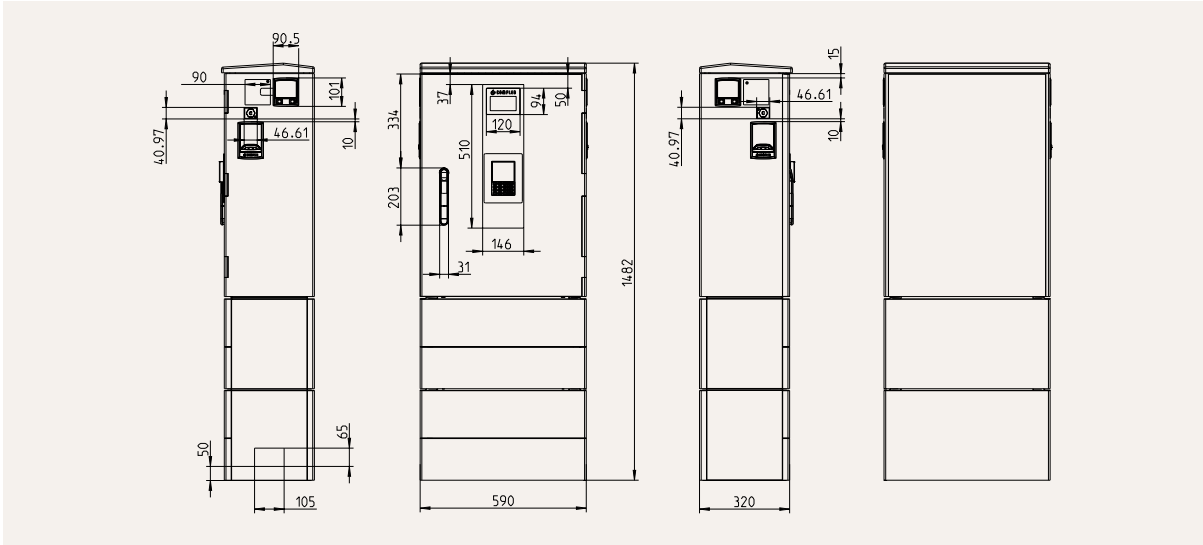
IP protection class	Enclosure: IP44; relevant components: IP54
Impact resistance	IK10
Meter / German calibration law	2x MID-compliant smart meter with SAM storage and display module
Approvals	CE, RoHS, REACH, GPSD, WEEE
Standards	DIN EN 61851-1; DIN IEC/TS 61439-7

Environmental conditions

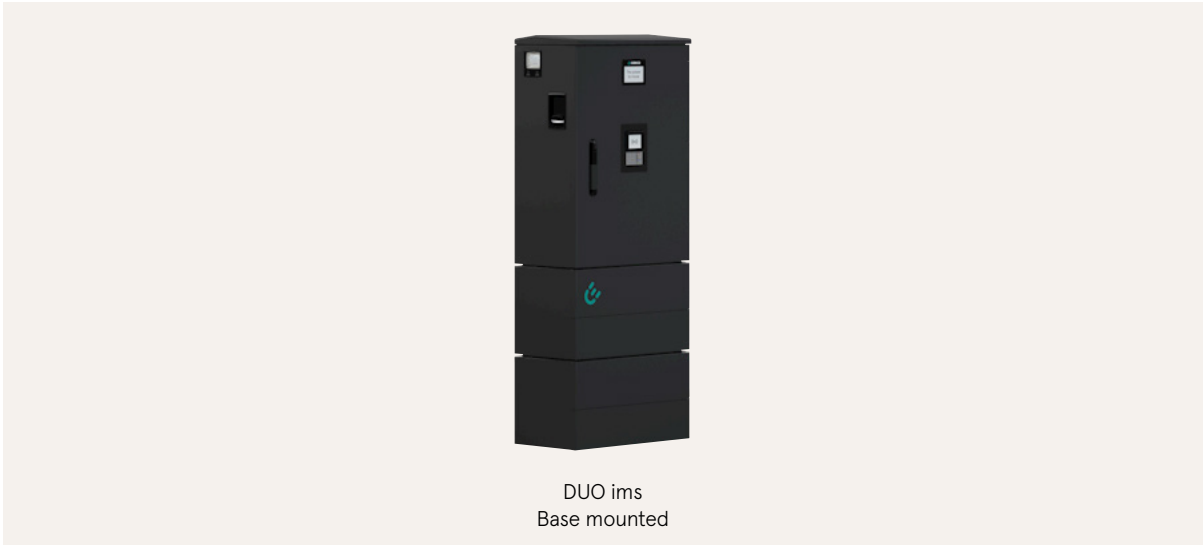
Storage temperature	-25 °C to +50 °C
Environmental operating temperature	-25 °C to +40 °C
Humidity	< 95 % (non-condensing)
Degree of pollution	3
Areas of use	Internal & external areas
Operating altitude above sea level	2,000 m max.

Technical data

Technical drawing



Mounting options





The power to move



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