



TECHNIVOLT 1100 SMART

11 kW charging station with permanently connected charging cable according to IEC 62196-2 type 2

Cable length	Colour	EAN	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
7,5 m	black/white	4019588076310	0007/6301	12,14 kg	9,19 kg	34 x 66 x 11,2 cm	39 x 78,5 x 24,5 cm
5 m	black/white	4019588063013	0000/6301	10,76 kg	8,39 kg	34 x 66 x 11,2 cm	48 x 71,3 x 22,2 cm

TOP FEATURES

Mode 3 charging mode in accordance with IEC 61851

Charging cable mounted with type 2 plug

11 kW charging power

16A charging current per phase, single-phase charging also possible

Protection against unauthorized access

Integrated DC fault current detection 6mA

RFID function for activating the charging processes

Integrated charging cable rewind

Dynamic load management

Energy meter MID

MECHANICAL PROPERTIES

Housing material: Plastic (flame retardant)

Bushing for power supply line: M32, for cables Ø 15-21 mm

Feedthrough for data cables: M25, for cables Ø 4-9 mm

RFID

Frequency: 13,56 MHz

Standard: ISO 14443A

UID: 4-byte, 7-byte

Card type: MIFARE

WLAN

IEEE 802.11n: Yes

IEEE 802.11g: Yes

IEEE 802.11b: Yes

2,4 GHz: Yes

WPA2: Yes

AMBIENT OPERATING CONDITIONS

Operating altitude: 2.000 m ü.NN

Shock resistance: IK08

Temperature: -25 ... 55 °C (without direct sunlight)

Humidity: 5 ... 95 % (relative, no dew)

IP class: 54

AUTHORISATION

RFID: Yes

OUTPUT/VEHICLE CONNECTION

Charging Mode: Mode 3, IEC61851-1

Charging port: Fixed charging cable with type 2 plug, IEC-62196-2

Output voltage: 230 / 400 V

Charging current: 16 A

Charging power: 11 kW-h

POWER SUPPLY

Nominal current: 16 A

Rated frequency: 50 Hz

Power consumption standby: typ. 4,2 W

Power cord: max. 10 mm² Ø 15-21 mm

Nominal voltage: 230 / 400 V

Type of current: AC

AMBIENT STORAGE CONDITIONS

Humidity: 5 ... 95 % (relative, no dew)

Temperature: -30 ... 70 °C

LOAD MANAGEMENT

Static: Yes

Time-dependent: Yes

Phases individual: Yes

Dynamic: Yes

Phase imbalance prevention: Yes

COMMUNICATION

Vehicle communication: PLC, ISO 15118 Plug-&-Charge

Internet / network: Ethernet, WLAN

Mobile data connection: Mobile radio

Charging point <> backend: OCPP Version 1.5, 1.6

User authorization: RFID

Modbus: Yes (TCP)

SMA SEMP: Yes

EEBUS: Yes

MOBILE RADIO

LTE FFD bands: B1/B3/B7/B8/B20/B28

SIM card: Micro-SIM

EDGE bands: B3/B8

Standard: 4G LTE Cat1

WCDMA bands: B1/B8

PROTECTION

DC fault current detection: Internal RCM, I_{Δn} ≥ 6 mA

MCB in the entrance: Tripping characteristic C

RCCB in the entrance: 4P-20A-30mA, Typ A

NETWORK & COMMUNICATION

4G: Yes

100Base-T: Yes

DHCP: Yes

HTTP: Yes

TCP/IP: Yes

SCOPE OF DELIVERY

TECHNIVOLT 1100 SMART charging station, front glass pane, assembly instructions, operating instructions, assembly template, fastening set (4x Fischer SXRL 8 x 60 FUS A4), angle key (Torx-TR 20), locking screw for glass pane (Torx-TR 20 M4), 2x user RFID card