



TECHNIVOLT 2200 SMART

22 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	4019588763029	0007/6302	13,36 kg	10,41 kg	34 x 66 x 11,2 cm	39 x 78,5 x 24,5 cm
5 m	black/white	4019588063020	0000/6302	11,98 kg	11,98 kg	34 x 11,2 x 66 cm	48 x 22,2 x 71,3 cm

TOP FEATURES

Mode 3 charging mode in accordance with IEC 61851

Charging cable mounted with type 2 plug

22 kW charging power (adjustable to 11 kW)

32A 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

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

Housing material: Plastic (flame retardant), glass

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

RFID

Frequency: 13,56 MHz

Card type: MIFARE

Standard: ISO 14443A

UID: 4-byte, 7-byte

WLAN

IEEE 802.11g: Yes

WPA2: Yes

2,4 GHz: Yes

IEEE 802.11n: Yes

IEEE 802.11b: Yes

AMBIENT OPERATING CONDITIONS

Operating altitude: 2.000 m ü.NN

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

IP class: 54

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

Shock resistance: IK08

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: 32 A

Charging power: 22 kW-h

POWER SUPPLY

Nominal current: 32 A

Power cord: max. 10 mm² Ø 15-21 mm

Rated frequency: 50 Hz

Nominal voltage: 230 / 400 V

Power consumption standby: typ. 4,2 W

Type of current: AC

AMBIENT STORAGE CONDITIONS

Temperature: -30 ... 70 °C

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

LOAD MANAGEMENT

Phases individual: Yes

Phase imbalance prevention: Yes

Time-dependent: Yes

Static: Yes

Dynamic: 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

WCDMA bands: B1/B8

EDGE bands: B3/B8

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

Standard: 4G LTE Cat1

SIM card: Micro-SIM

PROTECTION

DC fault current detection: Internal RCM, $I_{\Delta n} \geq 6$ mA

MCB in the entrance: Tripping characteristic C

RCCB in the entrance: 4P-40A-30mA, Typ A

NETWORK & COMMUNICATION

4G: Yes

TCP/IP: Yes

100Base-T: Yes

DHCP: Yes

HTTP: Yes

SCOPE OF DELIVERY

TECHNIVOLT 2200 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