



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

- For private home charging: TECHNIVOLT enables fast and safe charging at home with numerous advantages
- Type 2 charging plug: TECHNIVOLT uses the widely adopted Type 2 plug in Europe, now considered standard, with 22kW for extra-fast car charging – includes permanently attached charging cable
- Also ideal in semi-public areas, e.g. company premises or parking garages for tenants. The integrated MID-certified meter allows for kilowatt-hour billing and shows this on the built-in display
- Protected by RFID card: Access protection is sensible to prevent unauthorized charging. Use is only possible with registered user cards (2 included)

SONSTIGES

bf_filter_financial_support: Eligible for KfW funding

bf_filter_charging_power: 22 kg/mm

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, fpr 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

AMBIENT STORAGE CONDITIONS

Temperature: -30 ... 70 °C

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

MOBILE RADIO

WCDMA bands: B1/B8

EDGE bands: B3/B8

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

Standard: 4G LTE Cat1

SIM card: Micro-SIM

AUTHORISATION

RFID: Yes

LOAD MANAGEMENT

Phases individual: Yes

Phase imbalance prevention: Yes

Time-dependent: Yes

Static: Yes

Dynamic: Yes

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

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

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

NETWORK & COMMUNICATION

4G: Yes

TCP/IP: Yes

100Base-T: Yes

DHCP: Yes

HTTP: Yes

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

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