



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

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, 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

AMBIENT STORAGE CONDITIONS
Temperature: -30 ... 70 °C
Humidity: 5 ... 95 % (relative, no dew)

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

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 mm ² 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