



## TECHNIVOLT 2200 SMART

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

EAN	Cable length	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
4019588063020	5 m	black/white	0000/6302	11,98 kg	9,61 kg	34 x 11,2 x 66 cm	48 x 22,2 x 71,3 cm
4019588763029	7,5 m	black/white	0007/6302	13,36 kg	10,41 kg	34 x 66 x 11,2 cm	39 x 78,5 x 24,5 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

Housing material : Plastic (flame retardant), glass

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

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

### RFID

Card type : MIFARE Classic 1k

Standard : ISO 14443A

Frequency : 13,56 MHz

UID : 4-byte, 7-byte

### WLAN

2,4 GHz : Yes

IEEE 802.11b : Yes

IEEE 802.11g : Yes

IEEE 802.11n : Yes

WPA2 : Yes

### AMBIENT OPERATING CONDITIONS

IP class : 54

Shock resistance : IK08

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

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

Operating altitude : 2.000 m ü.NN

### AMBIENT STORAGE CONDITIONS

Temperature : -30 ... 70 °C

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

### MOBILE RADIO

Standard : 4G LTE Cat1

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

WCDMA bands : B1/B8

EDGE bands : B3/B8

SIM card : Micro-SIM

### AUTHORISATION

RFID : Yes

**LOAD MANAGEMENT**

Static : Yes

Dynamic : Yes

Time-dependent : Yes

Phases individual : Yes

Phase imbalance prevention : Yes

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

EEBUS : Yes

SMA SEMP : Yes

**NETWORK & COMMUNICATION**

4G : Yes

100Base-T : Yes

HTTP : Yes

DHCP : Yes

TCP/IP : Yes

**POWER SUPPLY**

Type of current : AC

Nominal voltage : 230 / 400 V

Nominal current : 32 A

Rated frequency : 50 Hz

Power consumption standby : typ. 4,2 W

Power cord : max. 10 mm<sup>2</sup> Ø 15-21 mm**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