



## TECHNIVOLT 2200 SMART PRO

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

Colour	EAN	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
black/white	4019588763302	0007/6303	11,98 kg	9,61 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 7,5m mounted with type 2 plug

22 kW charging power (adjustable to 11 kW)

TechniVolt Home App

Protection against unauthorized access

Integrated DC fault current detection 6mA

RFID function for activating the charging processes

Integrated charging cable rewind

OCPP Backend Software System

Eichrechtskomformes billing via 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

UID: 4-byte, 7-byte

Card type: MIFARE

Frequency: 13,56 MHz

Standard: ISO 14443A

### WLAN

IEEE 802.11b: Yes

2,4 GHz: Yes

IEEE 802.11n: Yes

WPA2: Yes

IEEE 802.11g: Yes

AMBIENT OPERATING CONDITIONS
Operating altitude: 2.000 m ü.NN
IP class: 54
Shock resistance: IK08
Humidity: 5 ... 95 % (relative, no dew)
Temperature: -25 ... 55 °C (without direct sunlight)

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

MOBILE RADIO
SIM card: Micro-SIM
Standard: 4G LTE Cat1
WCDMA bands: B1/B8
EDGE bands: B3/B8
LTE FFD bands: B1/B3/B7/B8/B20/B28

AUTHORISATION
RFID: Yes

LOAD MANAGEMENT
Static: Yes
Time-dependent: Yes
Phases individual: Yes
Dynamic: Yes
Phase imbalance prevention: 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)
EEBUS: Yes
SMA SEMP: Yes

NETWORK & COMMUNICATION
4G: Yes
100Base-T: Yes
TCP/IP: Yes
HTTP: Yes
DHCP: Yes

POWER SUPPLY
Nominal current: 32 A
Rated frequency: 50 Hz
Nominal voltage: 230 / 400 V
Power consumption standby: typ. 4,2 W
Power cord: max. 10 mm <sup>2</sup> Ø 15-21 mm
Type of current: AC

SCOPE OF DELIVERY
TECHNIVOLT 2200 SMART PRO AC 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