



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

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	OUTPUT/VEHICLE CONNECTION	COMMUNICATION
Static : Yes	Charging Mode : Mode 3, IEC61851-1	Vehicle communication : PLC, ISO 15118 Plug-&Charge
Dynamic : Yes	Charging port : Fixed charging cable with type 2 plug, IEC-62196-2	Internet / network : Ethernet, WLAN
Time-dependent : Yes	Output voltage : 230 / 400 V	Mobile data connection : Mobile radio
Phases individual : Yes	Charging current : 32 A	Charging point <> backend : OCPP Version 1.5, 1.6
Phase imbalance prevention : Yes	Charging power : 22 kW·h	User authorization : RFID
PROTECTION		Modbus : Yes (TCP)
DC fault current detection : Internal RCM, $I_{\Delta n} \geq 6 \text{ mA}$		EEBUS : Yes
MCB in the entrance : Tripping characteristic C		SMA SEMP : Yes
RCCB in the entrance : 4P-40A-30mA, Typ A		NETWORK & COMMUNICATION
		4G : Yes
		TCP/IP : Yes
		100Base-T : Yes
		DHCP : Yes
		HTTP : 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 ² 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