

TEW3

→ AC Wallbox
Technagon TEW3



Features & functions

- Charging station with 1 charging point for public and semi-public areas
- Max. charging power: 22 kW | Configurable by qualified electrician
- KfW eligible
- AFIR and calibration law compliant, controllable according to §14a EnWG
- Unique, modular concept enables simple handling handling the issues of service and calibration law
- Ethernet connection (LAN) as standard | additional 4G modem (mobile communications modem) possible as an option
- Connection of all leading backend providers via OCPP1.6
- Available with permanently installed spiral cable
- Plug release in the event of a power failure
- Lockable front panel with profile half cylinder optional
- Powder-coated aluminum housing - complete DB703
- 4.3 inch color display and RFID reader per charging point
- Display of static and dynamic QR code possible
- Intuitive and language-independent user guidance
- Load management in various levels included
- Simple connection to terminals | cable feed from below
- Mounting on the wall or on the optionally available Technagon pedestal
- Prefabricated foundation available as an accessory

Modular & compact



The compact Technagon TEW3 single wallbox with just one charging point is ideal as a home solution for company car drivers or for use at individual parking spaces in parking garages. The simple installation and operation ensure maximum user-friendliness.

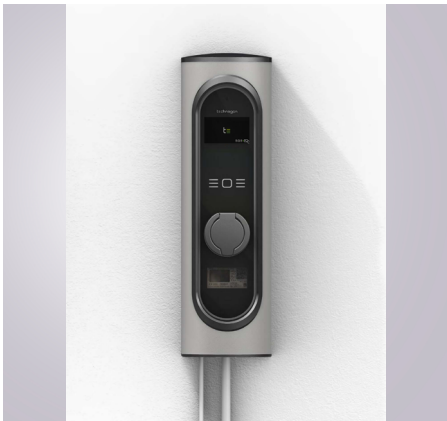
- heart of the Technagon P/W series
- unique, innovative design
- certified according to calibration law
- revolutionary service concept
- intuitive user guidance on the display
- symbolic and language-independent
- in-house charging controller integrated



Highlight

The unique **charging module** opens up completely new possibilities in charging technology. Certified as a closed component, it makes it easier to comply with calibration law and revolutionizes service.

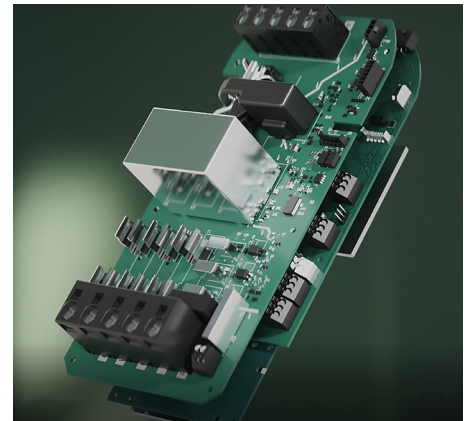
The integrated, fifth-generation **charging controller** developed in-house is the heart of this unit. Thanks to independent access to the software, we are able to ensure that our solutions always comply with standards.



modular design



Technagon charging module
(calibration law compliant)



Technagon charging controller
(5th generation)

Basic variant



With charging socket as standard



With spiral cable as an option

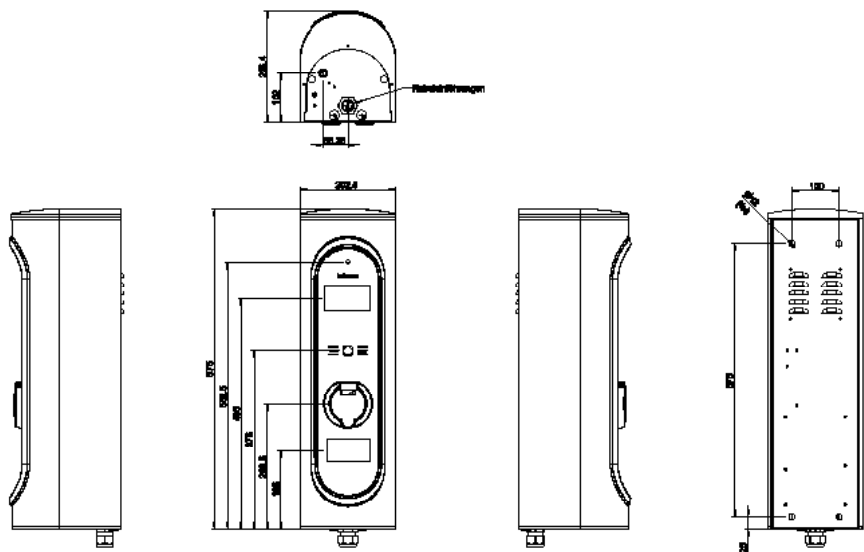


Compliant with calibration law
as standard



charged by innovation

Dimensions (mm)



Technical information

Packaging

Packaging dimensions and unit	L x W x H: 730 x 315 x 355 mm (packaging box)
Scope of delivery	Wallbox, printed instructions, wall mounting set, master key

Performance features and functions

Authentication	via RFID cards (ISO 14443) MIFARE Ultralight, Classic or DESFire
Screen	4.3-inch display per charging point to show operator data, prices, QR codes
Charging connections	1 x IEC 62196 type 2 charging socket plug lock 1 x attached type 2 cable 1 x 22 kW (max. 32 A per charging point) Emergency release in the event of a power failure

Mechanical design

Dimension	675 x 200 x 235 mm (H x W x D)
Weight	depending on version 9-15 kg
Operating temperature range	-25 °C to +50 °C
Installation site	≤ 2.000 m (altitude above sea level)
Relative humidity	5 to 95%, non-condensing
Protection class	IP54
Vandalism protection	IK10
Mounting type	Wall mounting with mounting kit Floor mounting with pedestal
Mechanical environmental conditions	M2

Technical information

Electrical version

Grid connection	Mains connection: 3P+N+PE, max. 5 x 10 mm ² copper, Rated voltage: 230/400 VAC 50 Hz, rated current: 32 A, Back-up fuse: max. 32 A - RCD type A required on site
Security	Fuses per charging point: 3x32 A (on power board) DC fault current monitoring per charging point 6 mA Temperature derating; contactor sticking detection
Lightning and overvoltage protection	Optional combination arrester Cat. I+II+III AC according to DIN EN 61643-11 Optional combination arrester for data line in accordance with DIN EN 61643-21
Load management	Static and dynamic load management included (local, Modbus TCP, MQTT and OCPP); see operating instructions for details
Specific functions	i-MiEV detection, Mode 3s detection
Status display	Status visible at 4,3 inch display
Calibration law	Conformity with calibration law as standard
Energy meter	DIN rail meter compliant with calibration law
Standby consumption	approx. 10 Watt
Electromagnetic environmental conditions	E1
Control unit	Potential-free contact, derating to 30% or 4.2 kW (§14a)

Connectivity

Monitoring	Monitoring and diagnostics via OCPP1.6 (OCPP2.1 in preparation)
Remote maintenance	Extensive remote maintenance options via OCPP
Update options	USB, web interface, Backend
WebInterface	The Technagon web interface can be used to configure the most important parameters that are required for individual operation.
External IT systems	Standard Ethernet connection (LAN) and as an option 40069.160 via GPRS, UMTS, LTE

Billing and customer management

Billing	by means of signed, calibration-compliant data records via OCPP
Long-term storage in compliance with calibration law	Local and physically accessible storage of charging data for 8 years via SD card
Customer management	via OCPP or local whitelist (csv import) Optional payment option via Giro-e (EC card)

Standards

Charging processes	IEC 61851-1 (Mode 3)
Connections	IEC 62196 series
Security	IP 54 according to IEC 60529, IEC 62955, IEC 61439-1, IEC 61439-7, protection class 1 (with protective conductor), CE "Class A" in accordance with EU Directive 2014/30/EU
Calibration law	REA document 6-A, PTB requirement 50.7

Technical information

Shared backend providers

be.energised, Chargepoint, ChargeCloud, evway, Smartlab, Lichtblick, eRound, reev, Vaylens, Monta, MSU, E-Flux and more.

Shared payment providers

GLS, EV-Pay, Hectronic and more.

Shared load management providers

TQ, TMH, Smart1, Wago, IO-Dynamics and more.

Subject to technical changes

Basic version

Article no.

Description

40069.508

AC Wallbox TEW3; compliant with calibration law; 1 charging point

Options and accessories

Article no.

Description

40069.150

Option of attached cable - straight cable length 5.5 m (note: the usable length of the cable is limited due to the spiralization)

40069.153

Backend pre-configuration

40069.157

Surge arrester DEHNpatch (Ethernet connection)

40069.539

Overvoltage protection combined arrester Cat I+II+III

40069.538

Mobile communications modem (4G)

40069.468

Mobile communications configuration package

40069.161

Direct payment system via Giro-e (only cards with the „Girocard“ symbol can be used)
Business account with billing partner GLS Bank required separately

40069.540

Foiling ex works TEW3 - Full foiling

40069.592

Locking with profile half cylinder

40069.529

Stele one-sided (RAL 9005)

40069.163

Prefabricated concrete foundation TEW3

40069.297

Foundation anchor TEW3 (with Stele)

40069.296

Charging module cover (temporary cover)

40069.296

Product data export

40069.756

RCD type A 40A (connection cross-section max. 5 x 16 mm²)

The uniqueness of Technagon

Our products are much more than simple charging stations. They embody intelligence, sustainability and elegance. Discover our entire portfolio at:
technagon.de



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