

technagon

charged by innovation

TEW4

→ AC Wallbox
Technagon TEW4



reddot winner 2023
best of the best

Features & functions

- Charging station with 2 charging points for public and semi-public areas
- Max. charging power: 44 kW (2 x 22 kW) | Configurable by qualified electrician
- KfW eligible
- AFIR and calibration law compliant, controllable in accordance with §14a EnWG
- Unique, modular concept enables simple handling of handling the issues of service and calibration law
- Ethernet connection (LAN) as standard | additional 4G modem (mobile radio 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
- LED topper with color and flashing codes for status display
- 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
- Integration of a universal payment terminal (credit card, Girocard, fleet cards, Apple or Google Pay)
- Load management in various levels included
- Simple connection to terminals | 360° cable feed
- Mounting on the wall or on the optionally available Technagon stele
- Ready-made foundation available as an accessory
- Winner of the Red Dot Design Award - Best of the Best 2023

Modular & versatile



The compact TEW4 wallbox can be mounted on the wall or on the Technagon stele, making it extremely versatile. Installing two wallboxes on one pedestal creates four charging points in a very small space.

- 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.

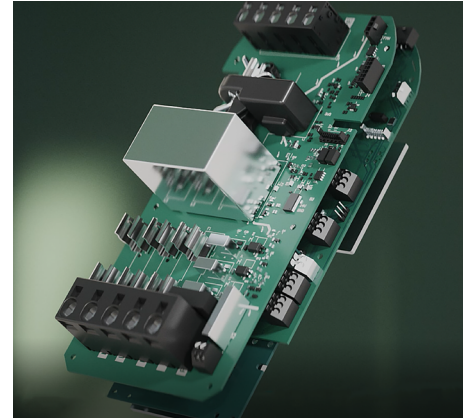
The integrated, fifth-generation **charging controller** developed in-house is the heart of this unit. Thanks to independent access to the software, we are able to ensure that our solutions always comply with standards.



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

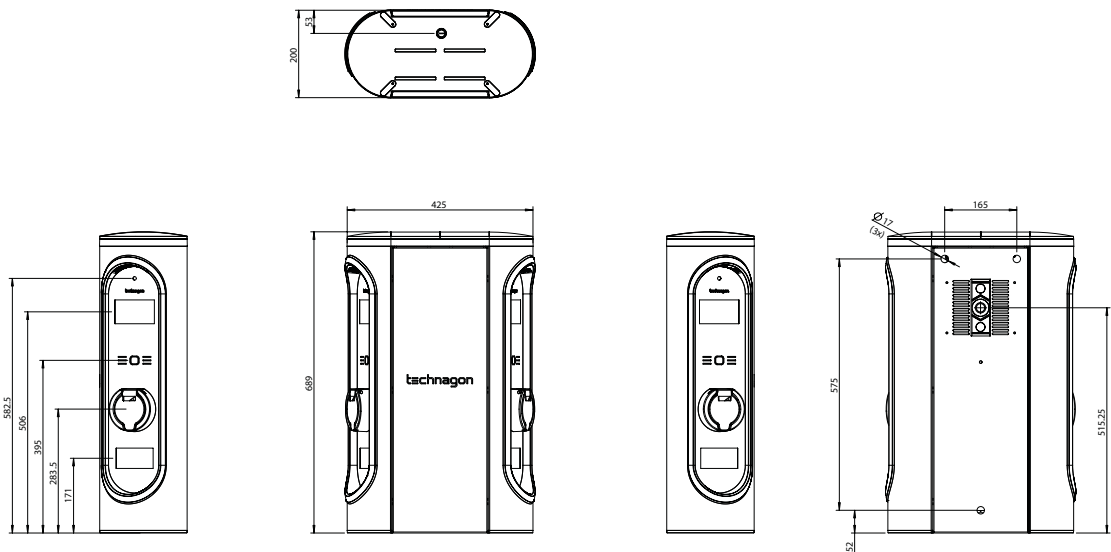


Compliant with calibration law
as standard



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Dimensions (mm)



Technical information

Packaging

Packaging dimensions and unit	L x W x H: 740 x 640 x 315 mm (packaging box); 1200 x 800 x 145 mm (pallet); up to 4x TEW4 stackable on pallet (height: 1070 mm)
Scope of delivery	Wallbox, printed instructions, wall mounting set, 2x keys, 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	2 x IEC 62196 type 2 charging socket plug interlock 2 x attached type 2 cable (charging connections can be combined) *max. 2 x 22 kW in parallel (max. 32 A per charging point) (*simultaneity factor 0.9) Emergency release in the event of a power failure

Mechanical design

Dimension	689 x 425 x 200 mm (H x W x D)
Weight	depending on version 20-27 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 stele
Mechanical environmental conditions	M2

Technical information

Electrical version

Grid connection	Mains connection: 3P+N+PE, max. 5 x 16 mm ² copper - cable diameter < 30 mm, Rated voltage: 230/400 VAC 50 Hz, rated current: 63 A, Back-up fuse: max. 63 A (on site)
Security	Fuses per charging point: 3 x 32 A (on power board) RCD type A per charging point with additional DC residual current monitoring 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	LED status display integrated in topper element (remote visibility) Fault detection through different flashing codes
Calibration law	Conformity with calibration law as standard
Energy meter	DIN rail meter compliant with calibration law
Standby consumption	approx. 20 watts
Electromagnetic environmental conditions	E1

Connectivity

Monitoring	Monitoring and diagnostics via OCPP1.6 (OCPP2.1 in preparation)
Remote maintenance	Extensive remote maintenance options via OCPP
Update options	USB, Webinterface, 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
40069.175	AC Wallbox TEW4; compliant with calibration law; 2 charging points

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	Overvoltage arrester DEHNpatch (Ethernet connection)
40069.158	EVU contact
40069.174	Overvoltage combined arrester Cat I+II+III
40069.160	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
40069.177	Credit card terminal instead of a charging point (mobile phone connection in the terminal by default, additional network cable required for LAN)
40069.553	Communication (Integrated switch for looping through the LAN connection)
40069.332	Foiling ex works TEW4 - Full foiling
40069.332	Foiling ex works TEW4 - Partial front foiling
40069.144	Stele one-sided
40069.415	Stele double-sided
40069.163	Prefabricated concrete foundation TEW4
40069.297	Foundation anchor TEW4 (with Stele)
40069.296	Charging module cover (temporary cover)
40069.646	Mounting plate for I and T steel supports (support width 80 - 320 mm)
40069.703	Product data export

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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