

technagon

advanced charging e-xperience

W40

practical
& great



COMPLIANT WITH
CALIBRATION LAW

status 12/2022



Technagon W40 Wallbox AC

■ flexible ■ innovative ■ user-friendly ■ high-quality ■ service-friendly ■ durable

The Technagon W40 is a flexible, convenient and practical AC wall box with 2 charging points for public and semi-public areas. For installation the Technagon W40, you can choose between wall mounting or use on the design stele, for flexible use in a great number of applications. With an attractive design, it is resistant enough to withstand weather conditions and vandalism and has two charging bays each with a 4.3" display for the best charging convenience. It can be connected directly to transfer terminals, which are connected to the RCD, from above, below and behind.

The innovative solution for dealing with calibration law conformity is ingenious.

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features & functions

- areas of application: public and semi-public areas
- new solution in the area of calibration law conformity, the charging unit as a closed part
- compliant with calibration law (ERK) or MID-compliant (optionally) – also available with spiral charging cable
- connection to terminals easier | connection possible from above, below and behind
- OCPP1.6-capable for optimal connection to backend systems
- construction: high-quality, powder-coated aluminum housing | housing color: complete DB701 | side loading bays and LED toppers in RAL9005 | special colors on request
- status display: LED topper with color and flashing codes for status indication
- function display / operation: 4.3" display and RFID reader for each charging point
- KfW eligible
- installation of a design stele or wall possible
- extremely service-friendly thanks to the compact, closed charging unit
- available with a variety of options and accessories, directly configurable to your needs
- terminal credit cards as an option or can also be retrofitted (small effort)

main areas of application

The Technagon W40 is ideal for use in public and semi-public areas.

Highlight

The unique charging unit opens up completely new possibilities in charging technology. It is a revolution in terms of service, the simple scope with calibration law and also in terms of user-friendliness. This charging unit is based on a great deal of experience, a high level of innovation and the need for convenience for operators and service. The powerful Technagon **charging controller** is the core of the device.



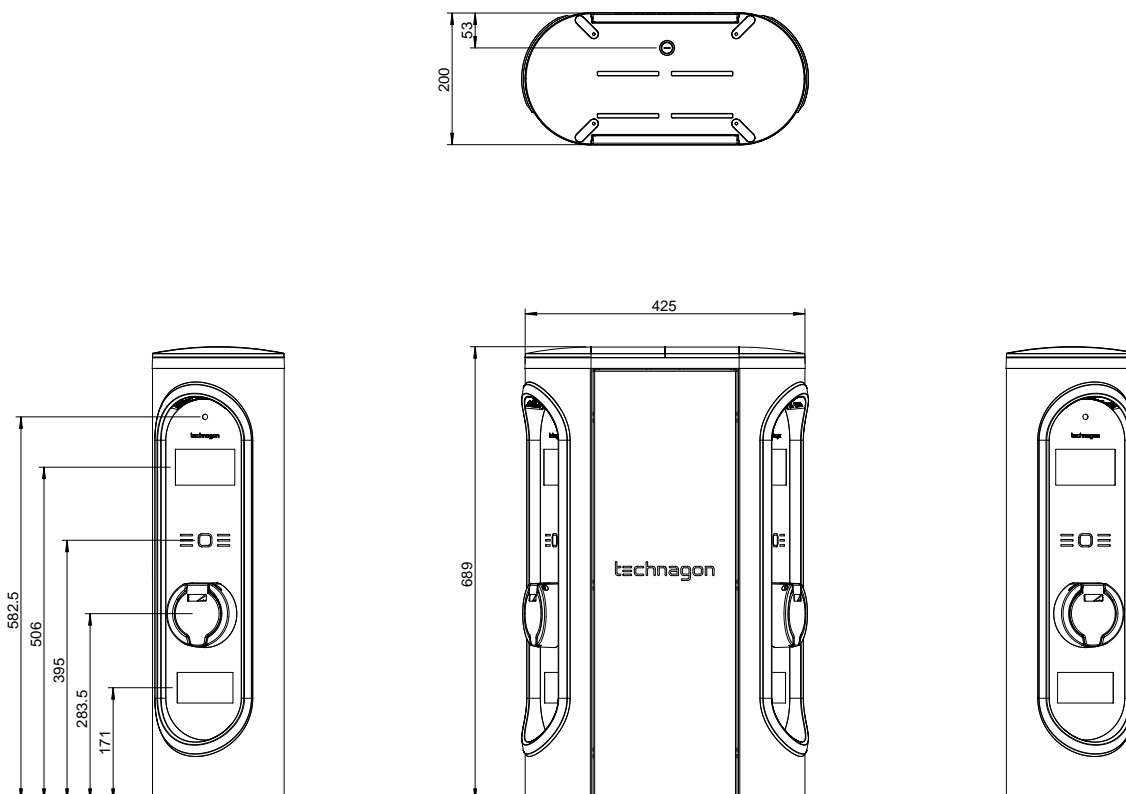
description

The Wallbox Technagon W40 is equipped with two charging points, up to two vehicles can be charged at the same time. As an option, the W40 can be supplied with attached spiral cables and this even conforms to calibration law. Our intelligent load management ensures that the charging power is optimally distributed to all electric vehicles to be charged. This is done via OCPP or via local connections.

The clear 4.3" display ensures user-friendliness, a precise overview of all necessary data such as price (when paying with a giro card), charge status and charging time. The housing made of high-quality powder-coated aluminum offers excellent protection against the effects of the weather and vandalism. Some options such as overvoltage protection, LTE connection, direct payment system, etc. can be integrated ex works. Two mounting variants allow flexible and easy installation of the wall box. On the one hand, the new Wallbox generation can be mounted on the wall using the wall mounting kit or on the floor using our design stele.

All standard versions of the W40 currently meet the requirements of calibration law. Funding from KfW is also possible.

dimension (mm)



base variant



compliant with calibration law



with AGK (attached cable) as an option



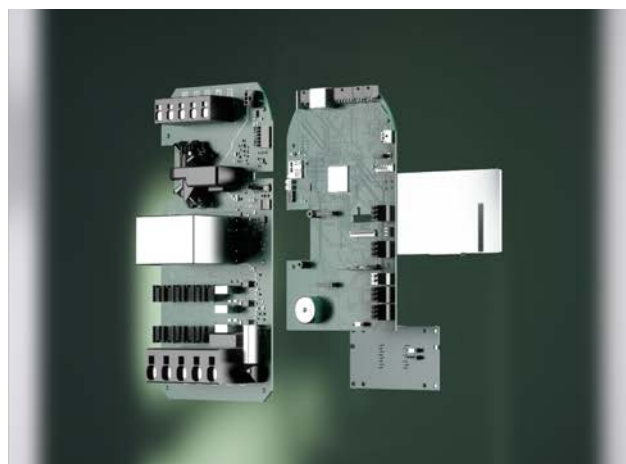
COMPLIANT WITH CALIBRATION LAW

Each model compliant with calibration regulations (ERK) as standard; Optionally available MID-compliant

technical information

features and functions

authentication	via RFID cards (ISO 14443) MIFARE Ultralight, Classic or DESfire
display	4,3"- color display per charging point
charging processes	according to IEC 61851 "Mode 3", charging current regulation, optional loading information via OCPP
charging ports	2x IEC 62196 type 2 charging socket plug lock 2x attached cable type 2 (charging ports can be combined) *max. 2 x 22 kW in parallel (max. 32 A per charging point) (* simultaneity factor 0.9) Emergency unlocking in the event of a power failure



technical information

mechanical execution

dimension	689 x 425 x 200 mm (H x W x D)
weight	depending on the version 20-27 kg
operating temperature range	-25 °C to +50 °C
Installation site	≤ 2,000 m (height above sea level)
Relative humidity	5 to 95%, non-condensing
mounting type	wall mounting with mounting kit floor attachment with stele
handling	service-friendly design and good component accessibility
protection class	IP54
protection against vandalism	IK10 wallbox

electrical version

power connection	power connection: 3P+N+PE, max. 5 x 16 mm ² copper nominal voltage: 230/400 VAC 50 Hz rated current: 63 A back-up fuse: max. 63 A (on site)
security	fuses per charging point: 3x32 A (on power board) RCD type A per charging point with additional DC residual current monitoring optional: AC/DC sensitive residual current circuit breaker, RCD type B, 30 mA temperature derating; contactor glue detection
lightning and surge protection	optional combination arrester Cat. 1+2+3
load management	static load management, dynamic load management (local & via OCPP)
specific features	i-MiEV-recognition, Mode-3s-recognition
status indicator	LED status display integrated in topper element (remote visibility) error detection through different flashing codes
calibration law	calibration law conformity, optionally available MID-conform
energy meter	top-hat rail counter calibration law-compliant, optionally available MID-conform
standby consumption	approx. 20 Watt

connectivity

surveillance	monitoring and diagnostics per OCPP1.6 (OCPP 2.0 in preparation)
remote maintenance and remote update option	extensive remote maintenance option via OCPP remote update possibility of the software
web interface	The most important parameters required for individual operation can be configured via the Technagon web interface.
external IT systems	connection via GPRS, UMTS, LTE, Ethernet port

billing and customer management

billing	by means of signed, calibration law-compliant data records via OCPP
calibration law-compliant long-term storage	local and physically accessible storage of charging data over 8 years using a SD card
customer management	via OCPP or local whitelist (csv import)

technical information

norms

charging processes	IEC 62196-2, VDE-AR-E2623-2, IEC 60309, IEC 61851-1
security	IP 54 according to IEC 60529, protection class 1 (with protective conductor), CE „Class A“ according to EU Directive 2014/30/EU, DIN EN 55022, DIN EN 61439-1

shared backend

HTB – Has To Be, ENIO, Driivz, Smartlab, ChargeCloud, Virta, Swarco ARGOS, NTT Data, E-Car OC

subject to technical changes

basic version

article no.	description
40069.175	AC Wallbox; semi-public and public areas; compliant with calibration law; charging points

options

article no.	description
40069.149	charging points MID compliant
40069.150	attached cable (permanently installed cable – no own cable necessary)
40069.153	backend configuration
40069.155	RCD type B per charging point (all-current sensitive residual current device)
40069.158	EVU contact (I/O-Port for possible requirements from energy suppliers)
40069.174	surge protection combined arrester Cat I+II+III
40069.160	4G modem (cellular modem)
40069.161	direct payment system via Giro-e (EC card) Business account with billing partner GLS Bank required separately
40069.177	Credit card terminal (instead of a charging point, additionally integrated into the charging station or separately)

equipment

article no.	description
40069.144	design stele
40069.163	ready-to-use concrete foundation according to manufacturer specifications
40069.297	Foundation anchor W40 (with stele)
40069.296	Service kit for charging module

on demand

article no.	description
40069.162	ground anchor plate for on-site foundation
40069.176	in customized RAL color
40069.154	factory foiling