

Technical data

Wallbox easy connect



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conformity for intelligent charging ¹⁾	reduction of charging power type 2 mode 3 according to IEC 61851
performance class	3,7 kW/22 kW
status messages/displays	status light, E3/DC-portal ¹⁾ and E3/DC-app ¹⁾
energy counters	MID-compliant (internal DIN rail meter), read out via E3/DC-portal ¹⁾
authorization	key switch
numbers of changing points	1
charging power	32 A, 400 V, 3ph/16 A, 230 V, 1ph
dimensions WxHxT (mm)	361x254x165
dimensions incl. wall bracket option WxHxD (mm)	361x510x170
dimensions incl. the pedestl option WxHxD (mm)	365x1,210x330
weight (kg)	~ 5 plus excluding wall mount/pedestl
operating temperatures (°C)	- 20 up to + 55
protection class	IP54
socket	type 2
load contactor	4-pol. 40 A
control fuse	1-pol. B6
integrated protection	RCM-module – DC-error measurement 6 mA contactor adhesive monitoring lock-release-module
RCD (required within sub-distribution)	type A 30 mA/40 A
LS-switch	not integrated
case lockable	no
interface	ModBUS (TCP) to E3/DC-portal ¹⁾
warranty	24 months

Wallbox-Variants

Wallbox easy connect flex	Wallbox with wall bracket and type 2 socket outlet (charging cable not included)
Wallbox easy connect fix	Wallbox with wall bracket and attached Mode 3 charging cable ²⁾ (without type 2 socket outlet)
Wallbox easy connect fix	Wallbox on pedestl and with attached Mode 3 charging cable ²⁾ (without type 2 socket outlet)

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Energy management

Energy management is a market leading pedestal feature from E3/DC since years. The E3/DC Wallbox easy connect supports up to 22 kW AC. The intelligent charging power reduction is according IEC 61851, so that charging from your own solar roof happens at minimum charging cost and follows the level of available sunpower. The daily weather forecast²⁾ is included.

Intelligent load management

The E3/DC-portal integrates the photovoltaic system and allows building automation for energy savings. The portal displays the charging process and all relevant energy data. E3/DC-Energy storage products allow to charge the car in the evening by battery and at minimum energy cost²⁾.

„Blackout Prevention²⁾“: E3/DC regulates and limits the maximum load of the building according to the user settings and including all intelligent loads / wallboxes connected to E3/DC.

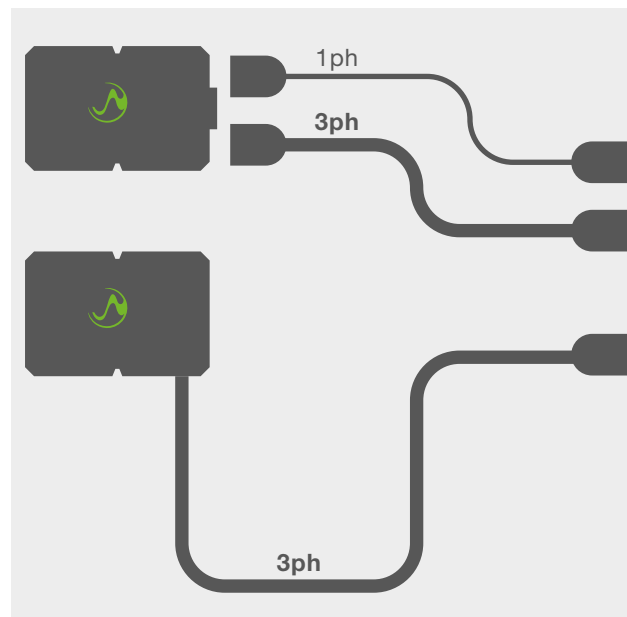
easy connect

The practical handle plug, the integrated cable holder and a firmly attached charging cable offer easy handling during the charging your electric vehicle.

Via ModBUS TCP, the Wallbox easy connect is easily connected and securely networked. Electrical protection against residual currents is provided by an integrated 6 mA DC RCM module according to IEC 61851. The Wallbox easy connect can also be used outdoors (IP54) including a pedestl option for the wallbox.

Access control and billing

A key switch secures the Wallbox easy connect against unauthorised loading. The data for tax declaration can found in the E3/DC portal²⁾, where the MID-compliant recording of the Wallbox charging processes is summed up.



Charging with single-phase and three-phase cables

The Wallbox easy connect flex (top) allows you to use single-phase as well as three-phase cables. Single-phase solar charging of a three-phase electric vehicle (with low PV power) requires a single-phase charging cable.

The Wallbox easy connect fix (bottom) is equipped with a permanently attached three-phase charging cable. Three-phase electric vehicles can only be charged with solar energy in three-phase mode using this cable. Single-phase vehicles can be charged without restriction using the permanently attached three-phase cable.

¹⁾ Energy storage devices from E3/DC allow intelligent charging and load management up to 7 Wallboxes.

²⁾ Software functions are subject to brief interruptions due to updates. The full availability of the system can therefore not be guaranteed at all times.



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