go-eCharger
HOMEfix
11/22 kW

Data sheet

The go-eCharger HOMEfix with the power variants 11 kW and 22 kW is an extremely compact, stationary wallbox with high-end features for charging battery electric vehicles (BEV) and plug-in hybrid electric vehicles (PHEV).

Highlights go-eCharger HOMEfix

Many smart functions that make charging electric vehicles even more convenient are already integrated in the go-eCharger HOMEfix. The charging station is suitable for installation indoors and outdoors in both private and commercial environments (without selling charging power). The charger can be connected directly to the building's electrical system using the 2-meters connection cable.

Simply charge any electric vehicle - Plug & Play

The go-eCharger can be installed with little effort and put into operation within a very short time, depending on the home's electrical system. Simply attach the wall bracket, hook up the wallbox and connect it to a suitable power connection*. The charging process is as uncomplicated as charging a smartphone. Plug in the charging cable and the go-eCharger immediately charges with the charging power requested by the car in the standard setting. If necessary, the charging current can be adjusted directly on the device using the blue button.

Total control - via app even from the sofa

All charging processes can be carried out with the go-eCharger without an app. The wallbox signals the current charging status via an LED ring. All details about the charging status can be viewed even more conveniently via the go-eCharger app. If necessary, you can also use it to adjust all basic and comfort settings. You also keep an eye on the amount of electricity charged via the integrated electricity meter. When the wallbox is integrated into a Wi-Fi network, the device can be controlled and monitored from your sofa.

Weatherproof and theft-proof

Unimpressed by any weather conditions, the go-eCharger provides full power at all times, protected by a high-performance plastic. The charging cable can be locked to prevent theft. When installed outdoors, you are able to protect the wallbox from unauthorised use by using an RFID chip. RFID chips are also useful if several people share the device. The charged current is shown separately for each user.

Different charging modes for cost-effective and sustainable charging

Coming home after work and immediately starting the charging process is easy, but not necessarily sustainable and cheap. With intelligent functions such as the scheduler, you can postpone your charging processes with the go-eCharger to times when electricity is available in abundance. This reduces the pressure on the electricity grid and, depending on the electricity tariff, can also pay off financially.

Numerous safety functions

The extensive safety functions of the go-eCharger ensure that you can sit back and relax while the car is reliably charged. The charging station reduces the current flow if necessary or switches off completely if fault currents occur. In this way, the charger protects your car, your home's electrical system and itself from damage.

*This work may only be carried out by a qualified electrician.

power 2 change

Technical data go-eCharger HOMEfix

Scope of delivery

HOMEfix 11 kW	HOMEfix 22 kW
11 kW charging station with 2 meters connection cable for stationary installation	22 kW charging station with 2 meters connection cable for stationary installation
Wall bracket incl. screws and dowels	
Optionally mountable anti-theft device (U-piece)	
One reset card	
One RFID chip (already learned)	
One spare fine wire fuse	
Quick reference guide	

Product specifications

	HOMEfix 11 kW	HOMEfix 22 kW
Dimensions	Approx. 15 x 25 x 9 cm	
Weight	1.95 kg	2.47 kg
Connection cable	2 m, 5 x 2.5 mm² for permanent connection (type H07BQ-F)	2 m, 5 x 6 mm² for permanent connection (type H07BQ-F)
Connection	Single-phase or three-phase	
Rated voltage	230 V (single-phase) / 400 V (three-phase)	
Mains frequency	50 Hz	
Power grid types	TT / TN / IT	
Standby power	1.9 W (LEDs switched off) to 4.2 W (LEDs bright)	
RFID	13.56 MHz	
WiFi	802.11b/g/n 2.4 GHz / frequency band 2412-2472 Mhz	

Permissible ambient conditions

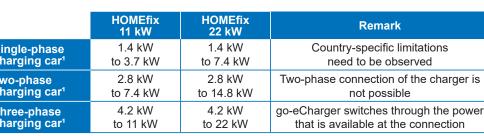|	HOMEfix 11 kW	HOMEfix 22 kW
Installation site	Indoors and outdoors, without direct sunlight	
Operating temperature	-25 °C to +40 °C	
Storage temperature	-40 °C to +85 °C	
Average temperature in 24 hours	Below 35 °C	
Altitude	Maximum 2,000 m above sea level	
Relative humidity	Not more than 95 % (non-condensing)	
Impact resistance	IK08	

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Charging capacity

	HOMEfix 11 kW	HOMEfix 22 kW
Maximum charging power	11 kW (16 A, 3-phase)	22 kW (32 A, 3-phase)
Ampere and status display	Readable via LED ring and app	
Adjusting charging power	By button and app	
	Via charging current in steps of 1 ampere between 6 A and 16 A	Via charging current in steps of 1 ampere between 6 A and 32 A

	HOMEfix 11 kW	HOMEfix 22 kW	Remark
Single-phase charging car[1]	1.4 kW to 3.7 kW	1.4 kW to 7.4 kW	Country-specific limitations need to be observed
Two-phase charging car[1]	2.8 kW to 7.4 kW	2.8 kW to 14.8 kW	Two-phase connection of the charger is not possible
Three-phase charging car[1]	4.2 kW to 11 kW	4.2 kW to 22 kW	go-eCharger switches through the power that is available at the connection

[1]Charging power depending on the number of phases of the car's onboard charger

Connection to vehicle

HOMEfix 11 kW	HOMEfix 22 kW
Type 2 socket (acc. to EN 62196-2) with mechanical locking device (own type 2 cable required, available as accessory)	
Vehicles with type 1 can be charged with adapter cable type 2 to type 1 (available as accessories)	

Safety functions

	HOMEfix 11 kW	HOMEfix 22 kW
RCD protection module with DC current detection	30 mA AC, 6 mA DC	
Protection class	I	
Pollution degree	II	
Anti-theft device	Charging cable locking device	
RFID access control	One learned RFID chip included	
Input voltage	Phase and voltage testing	
Switching functions	Testing of the switching functions	
Ground check	For TT, TN grids (deactivatable ground check for IT grid - Norway mode)	
Current sensor	3-phase	
Fine wire fuse	To protect the internal electronics (triggers if the supply line is connected incorrectly)	
IP54	Protected against dirt and water, suitable for permanent outdoor operation (IP 44 when charging cable is plugged)	
go-e network operator API	For authorised access by the electricity grid operator to the go-eCharger for grid-serving power control	
Modbus TCP	e.g. for grid-serving power control by the electricity grid operator (from firmware version 0.40)	

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go-eCharger app and connectivity

HOMEfix 11 kW	HOMEfix 22 kW
Local (WiFi hotspot) or worlwide* (WiFi) controlling and monitoring	
Adjustment/check of the charge (voltage, current, power, energy)	
Adjusting the current level in 1 ampere steps	
Start/stop function	
Management of RFID chips/cards (up to 10 users per charger) / Access control (RFID/App)	
Scheduler	
Electricity meter (total kWh and total amount per RFID chip)	
kWh limit mode / Eco mode*/*** / Planned charge mode*/***	
Push notifications*/***	
Cable unlock functions	
Flexible energy tariffs (aWATTar) with intelligent charging management*/**	
Static load balancing*	
Photovoltaic connection via open API interface (programming required)	
OCPP 1.6*/***	
Management of the charging levels via button on the charging station / LED adjustment	
Updateable for later functions (Smart home, etc.)	
Automatic unlocking of the charging cable in the event of a power failure***	
1-/3-phase switching via app - even during the charging process***	
Synchronisation of charging processes with the cloud and display of the past charging processes*/***	
Documented public API interfaces: HTTP , MQTT, Modbus TCP	

*WiFi connection of the charger required
**Separate electricity supply contract with partner aWATTar required, currently only available in Austria and Germany
***from go-eCharger serial numbers with CM-03- (hardware version V3)

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go-e

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