

Data sheet: go-eCharger HOME+ 22 kW

Version 2.0.0



The go-eCharger HOME+ 22 kW is a wallbox for charging electric vehicles which can also be transformed into a mobile charging station in a few seconds. It is suitable for garages and outdoor parking areas, e.g. in front of residential buildings and companies (without selling charging current).

The charger can be connected directly to an existing CEE 32 A three-phase socket or to other sockets via an adapter.

Scope of delivery:

- Charging station 22 kW with 32 A CEE plug
- Wall mount incl. screws and dowels
- Optionally mountable cable protection (anti-theft protection)
- One reset card and one RFID chip
- One spare special fine fuse
- Short instructions



Product specifications:

- Dimensions: approx. 15 x 25 x 9 cm
- Weight: approx. 2.0 kg
- Connection cable: 30 cm + plug
- Rated voltage: 230/400 V depending on number of connected phases
- Rated frequency: 50 Hz

Permissible ambient conditions:

- Temperature: -25 °C to + 40 °C
- Average temperature in 24 hours: below 35 °C
- Altitude: maximum 2,000 m above sea level
- Relative humidity: maximum 95 % (non-condensing)

Charging capacity:

- Maximum charging power 22 kW (32 A 3-phase)
- Charging power adjustable between 1.4 kW and 22 kW (via the charging current in 1 ampere steps between 6 A and 32 A) depending on the number of phases of the car:
 - a) single-phase: 1.4 kW to 7.4 kW
 - b) two-phase: 2.8 kW to 14.8 kW (ATTENTION: two-phase connection of the charger is not possible! This information applies to vehicles which have a two-phase onboard charger installed! The go-eCharger has to be connected single-phase (via adapter) or three-phase!)
 - c) three-phase: 4.2 kW to 22 kW (The go-eCharger switches through the power that is made available to it at the connection.)

Company data

UID: ATU70018303 - FN: 442 126k - Landesgericht Klagenfurt

Bank details

Volksbank Kärnten - IBAN: AT45 4213 0338 8246 0000
BIC: VBOEATWWKLA

Connection:

- CEE red 32 A (three-phase)
- With optional adapters (not included in delivery):
 - CEE red 16 A (three-phase)
 - CEE blue 16 A (single-phase)
 - CEE blue 32 A (single-phase)
 - multiple domestic plugs 16 A (household socket outlet)

Connection on vehicle side:

- Type 2 socket, own type 2 cable required (not included in delivery)
- Locking device (theft protection)
- Vehicles with type 1 can be charged with adapter cable
- Ampere and charging status readable via LED ring or app
- Charging power adjustable via button and app

Safety functions:

- RFID access control
- RCD protection device with DC detection, 30 mA AC, 6 mA DC
- Phase and voltage test of the input voltage
- Phase test after contactor
- Current sensor three-phase
- Ground check for TT, TN mains (switchable grounding monitoring - Norway mode - for IT mains)
- Customer replaceable fine fuse for internal electronics (triggers if the supply line is connected incorrectly)
- Adapter detection with automatic reduction to 16 A
- IP54 - Protection against dirt and water, suitable for permanent outdoor use
- Impact resistance = IK10
- Protection class = I
- Pollution degree = II
- go-e network operator API for authorised access of the electricity network operator to the go-eCharger for network related power control

App and connectivity:

- Local (WiFi hotspot) or worldwide (via WiFi) usable
- Charge monitoring (voltage, current, power, energy)
- Start/stop function
- RFID card management (up to 10 users per charger)
- Scheduler
- Electricity meter (total kWh and total amount per RFID card)
- Synchronisation of charging processes with the cloud and display of past charging processes (from go-eCharger serial numbers with CM-03-)
- Max Wh charging
- Access management (RFID/App)
- Cable Lock/Unlock functions
- Automatic unlocking of the charging cable in the event of a power failure (from go-eCharger serial numbers with CM-03-)
- Electricity price exchange connection with intelligent charge management
- Load balancing (static)
- Photovoltaic connection via open API interface (programming required)
- 1-/3-phase switching via app - also during charging (from go-eCharger serial numbers with CM-03-)
- LED adjustment
- Management of the charging levels via button on the charging box
- Modbus TCP (firmware version 0.40 or higher) for power control by the electricity network operator
- Updateable for later functions (Smart Home, etc.)

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