

Data sheet: go-eCharger HOME+ 22 kW



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 (not adjustable at the go-eCharger!):
 - 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 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 (switchable grounding monitoring)
- 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)
- Timer
- Electricity meter (total kWh and total amount per RFID card)
- Max Wh charging
- Access management (RFID/App)
- Cable Lock/Unlock functions
- Electricity price exchange connection with intelligent charge management
- Load balancing
- Photovoltaic connection via open API interface (programming required)
- 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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