SEAK

User Guide
LUMiCHARGER DUAL

Please read carefully to understand the correct use of the device before installation, maintenance and operation! Please follow the safety notes; otherwise, it may lead to a danger of death, injury and damage to the device, supplier cannot accept any liability for claims resulting from this.

This manual describes the installation, use and maintenance of AC Charging point. This manual is intended for installation and maintenance personnel. The text and illustrations in this user manual are general explanations of these type of equipment, and the actual product may be inconsistent with this manual in detai.l

Actions marked with this symbol must not be carried out under any circumstances.

Actions marked with this symbol must be carried out with special care.

Actions marked with this symbol should be carried out as required. Passages containing additional information.

Safety information

The safety notices serve to ensure the proper and safe installation, as well as subsequent safe operation of the device

Disregard of or actions contrary to the safety information and instructions contained in this manual may lead to electric shock, fire, severe injury and/or death.

Please pay attention to the following points:

- Please read this manual carefully.
- Heed all warnings and follow all instructions.
- Keep this manual in a safe place where it can be accessed at all times: The contents of this manual, and the safety notices in particular, must be available to all users of the product.
- Keep the charging connector clean and dry and wipe with a clean, dry cloth if soiled.
- Do not install this device in close vicinity to running water, water jets or areas subject to flooding.
- The product must not be installed in explosive atmosphere areas (EX areas).
- Mechanical installation should be carried out by qualified specialist personnel.

- Electrical installation and testing must be carried out with reference to local rules by a qualified specialist electrical contractor, who, on the basis of their specialist training and experience, as well as their knowledge of the relevant standards, is able to assess and carry out the working steps described in this manual and recognise potential hazards.

Please note that electrical grid operators, energy suppliers or national regulations may require notifica-tion of or approval for the installation or operation of a charging station.

- Leave no metals such as bolts, gaskets into the inside of the EV Charging point; otherwise, hazardous blast and fire may result.
- In case of installation faults, or malfunctions that can be traced back to faulty installation, always contact the contractor who carried out the installation first.
- The product must not be covered with stickers or other objects or materials.
- Installation and wiring should be done by personnel with professional qualification, otherwise, hazardous electric shock may result.
- Please note that operating a radio transmitter in the immediate vicinity (< 20 cm) of the product may lead to malfunctions.
- It is strictly prohibited to use the charging point when the charging adapter or charging cables are defective, cracked, worn, broken or the charging cables is exposed. If you find any, please contact the supplier in time.
- Do not under any circumstances make alterations to the product. Any disregard of this instruction represents a safety risk, fundamentally breaches the guarantee provisions and may void the warranty with immediate effect.
- Make sure input power supply is entirely disconnected before wiring; otherwise,hazardous electric shock may result.
- Should one of the following malfunctions occur, please contact the specialist electricalcontractor who has carried out the installation of your wallbox and accessories:
    1. The product housing has been damaged mechanically, or the housing cover has been removed or can no longer be closed.
    2. Sufficient protection against splashing water and/or foreign objects is no longer provided.
    3. The product does not function properly or has been otherwise damaged.

User information

- Ensure that the rated voltage and rated current of the product comply with the parameters of your local electricity grid and that the rated output is not exceeded during operation.
- Local safety regulations regarding the operation of electrical devices for the country in which you operate the product always apply.

- To disconnect the product completely from the electricity grid, the power supply must be interrupted using the upstream safety switches and fault current protection devices (if present) in the domestic power distribution.
- Never operate the product in a confined space.
- Ensure that the product can be operated without any strain pulling on its components.
- Make sure that the product is always closed and locked when in use. All authorized users must be aware of the 'unlock'position of the key.
- You must under no circumstances make any changes to the housing or the internal wiring of the device: Anydisregard of this instruction fundamentally breaches the guarantee provisions and voids the warranty with immediate effect.
- Only have the product repaired by a qualified specialist electrical company.

Please note that all technical details, specifications and design characteristics of the product may be changed without prior notice.

Socket Version

5m Cable version

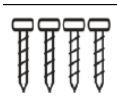
Mounting fittings

Components included in the productThe product is delivered including the following components:

Charging station

Safety notices & quick start guide

Machine key



Screws(Φ8 x 45 mm)

RFID cards

Wall anchors (8x40mm)

Insulated ring terminals

Check immediately after unpacking whether all components are included: should any components be missing, please contact the dealer from whom you purchased the wallbox.

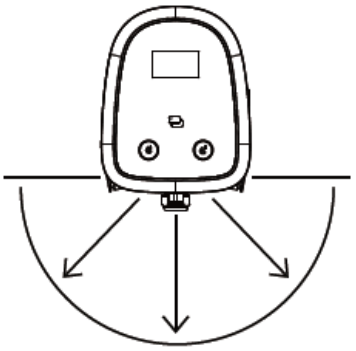
Installation

It is recommended to have the entire installation of the wallbox carried out by a qualifiedspecialist electrical contractor.

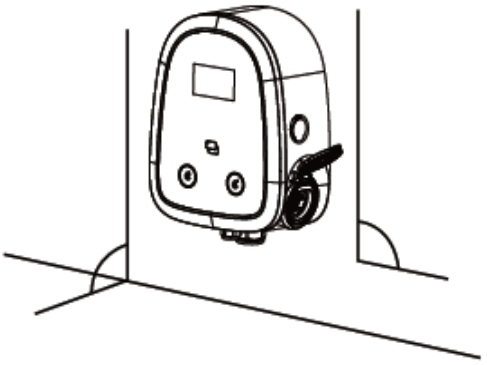
Electrical installation, as well as final testing and certification for operation must be carried out by a qualified specialist electrical contractor, who, on the basis of their specialist training and experience, as well as their knowledge of the relevant standards, is able to assess and carry out the working steps described in this manual and recognise potential hazards.

Installation site requirements

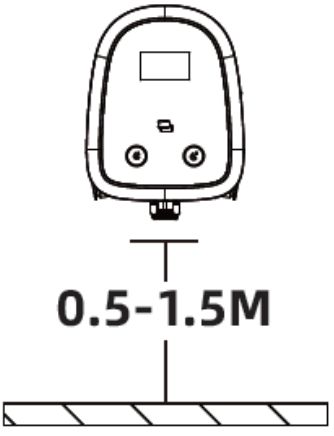
The installation site must be freely accessible.



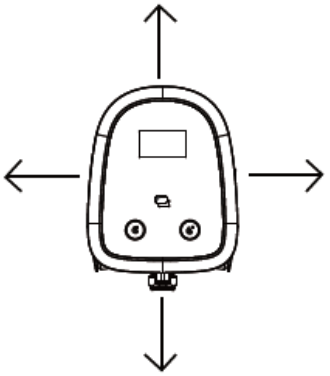
The mounting surface must be level and solid.



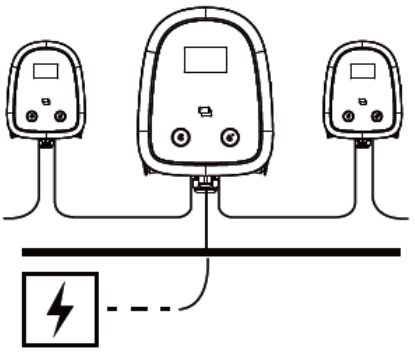
The installation height should be between 0.5 -1.5m (ground to bottom edge of housing).



Minimum distances to the technical installations must be observed,50 cm is recommended.



Ideally, the installation site should provide a ready connection to the electricity grid. Other wise, aseparate power supply cable must be installed. In order to operate group installations, suitable data cables must also be installed in the installation site.



Tools and accessories required

For mechanical installation, you will need the following components:
Wire stripper, Bit (Torx 20), Pencil, Hammer, T20 panhead screws, Φ8 × 45 mm, Electric drill, Φ 8 mm drill bit suitable for the respective mounting surface, Spirit level, Screwdriver (Phillips head), Pliers, Voltmeter, Tape measure,

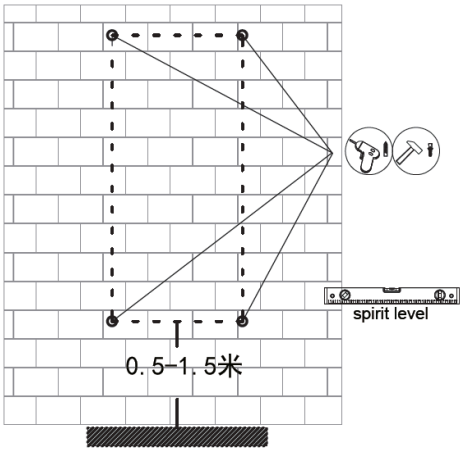
Preparing the mounting site

As a matter of principle, the electrical supply cable in the domestic power distribution must be switched off for the entire duration of mechanical and electrical installation. The connection to the power grid must only be made live for the purpose of commissioning, after electrical installation is complete.

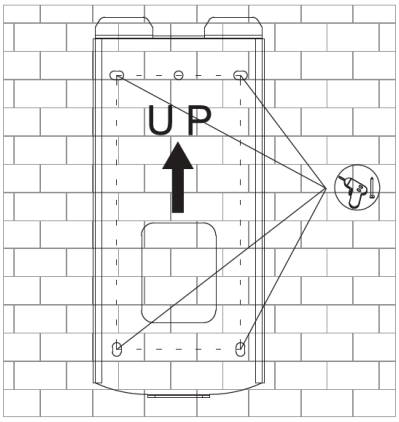
Always observe the 5 safety rules:
1. Cut power source
2. Secure all cut-off devices

3. Verify absence of voltage
4. Ground and short-circuit
5. Cover or bar access to adjacent components under voltage

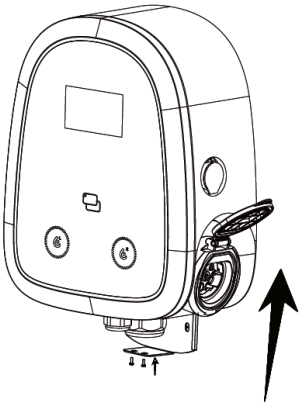
1. Place the backplate on the wall, drill a hole in the fixing point, and insert the wall plug into the fixing point The hole is 0.5-1.5m away from the ground.



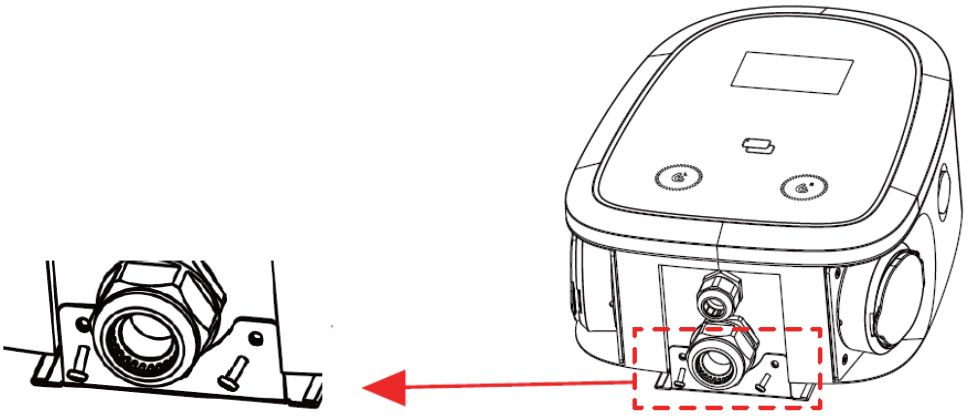
2. Put the fixing plate with four Φ8*45mm expansion screws on the wall and the electric torque is 2N.



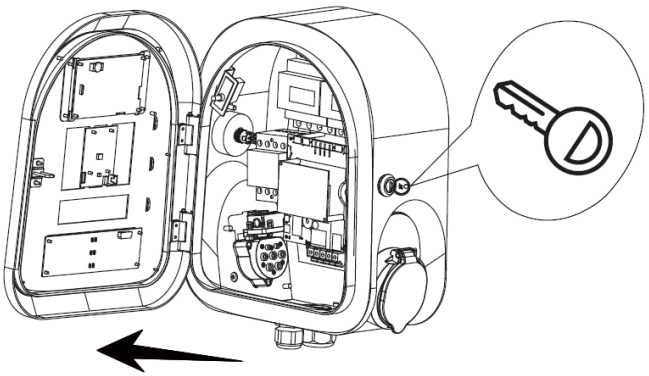
3. Install the charger on the back plate and screw to fix from bottom.



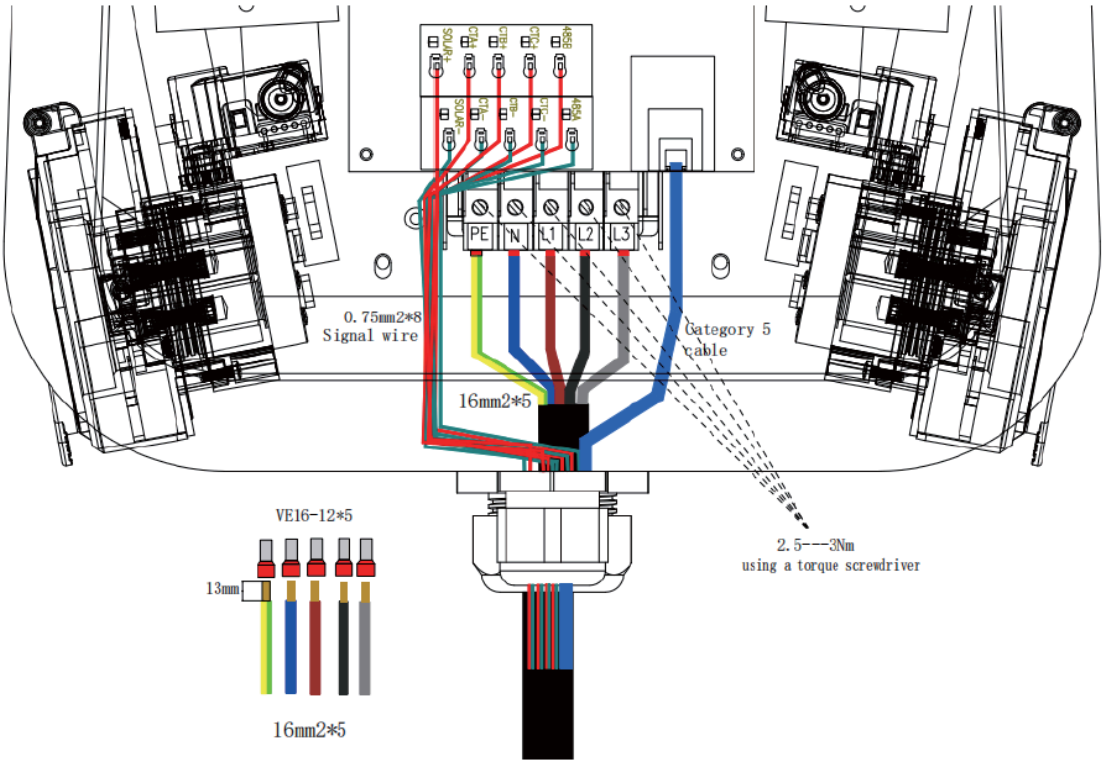
4. Tighten the two screws at the bottom of the machine to secure the charger to the mounting backplate.



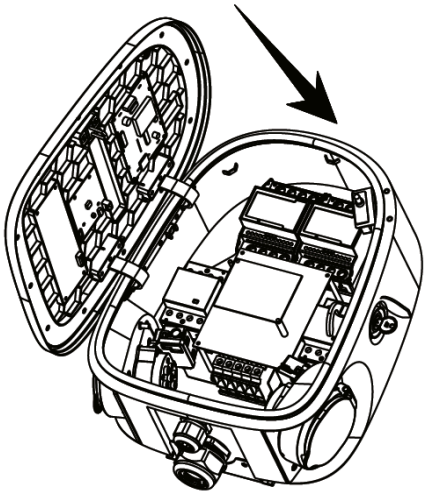
5. After fixing the charger, open the front overwith the key provided on the machine for the next step.



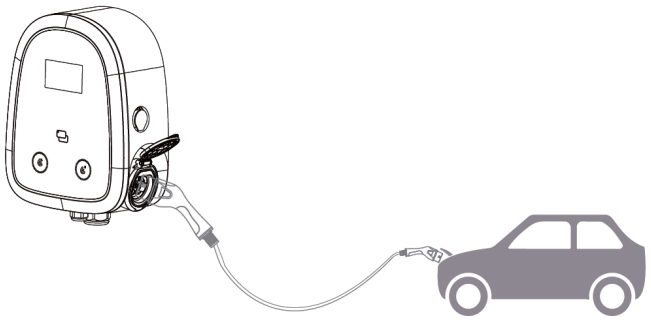
6. wiring,from left to right ,from bottom to up：
   Left to right: PE、N、L1、L2、L3(terminals)
   Bottom to up:SOLAR、CTA、CTB、CTC、485



7. After wiring, charger the cover and lock the cover.

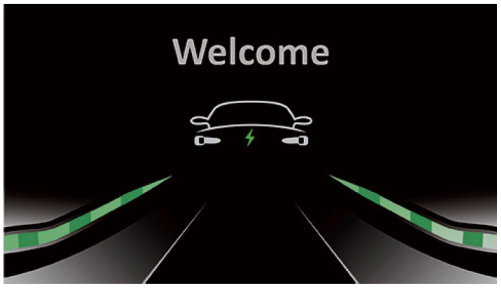


8. Power on and connect the EV charger to your EV to set the charger.

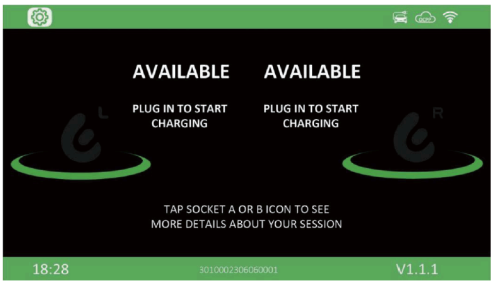


LCD setting

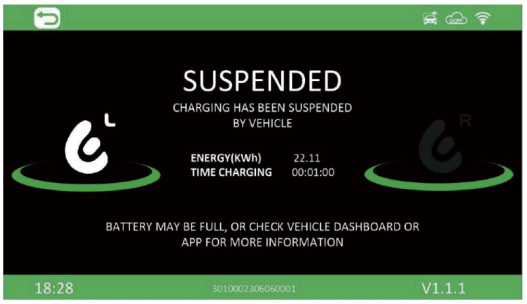
Starting page



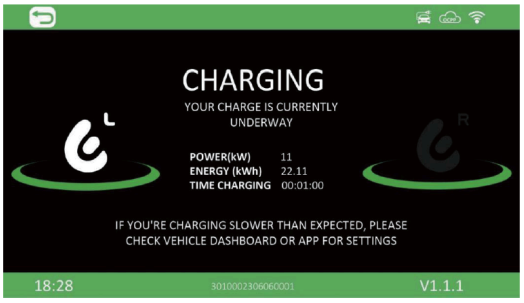
Main page, 2 connector status, charging status and basic information. Before the actual charging and authorization, you need to switch the connector you want to use on the charging station on the display.



Suspended, charging has been suspended by vehicle

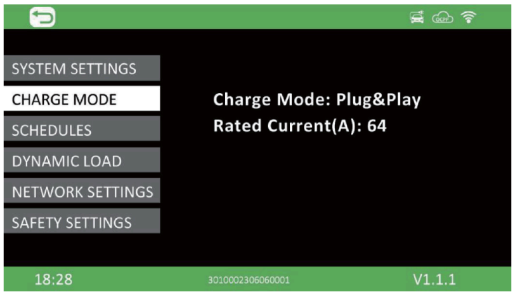


Charging properly



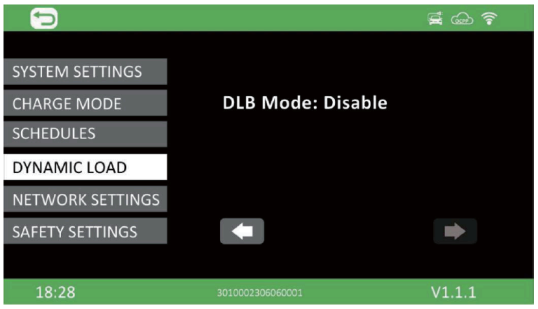
Faulted

Charge mode and rated current setting. The default password to open the menu on the display is 1234, which can be changed after the first login.

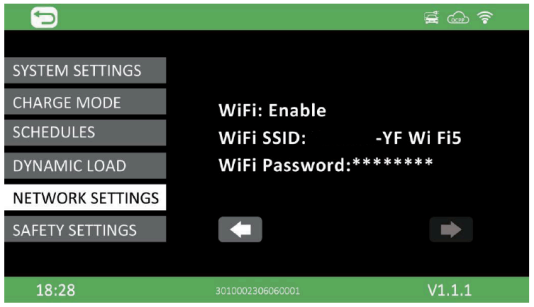


Dynamic Load Balancing：

DLB Mode -Whether to enable dynamic load balancing function

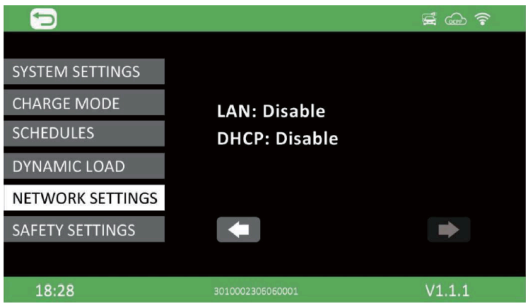


WiFi - Whether to enable the WiFiWiFi SSID and WiFi Password input



LAN - Whether to enable the LAN

DHCP - Whether to dynamically obtain the IP address of the Ethernet port

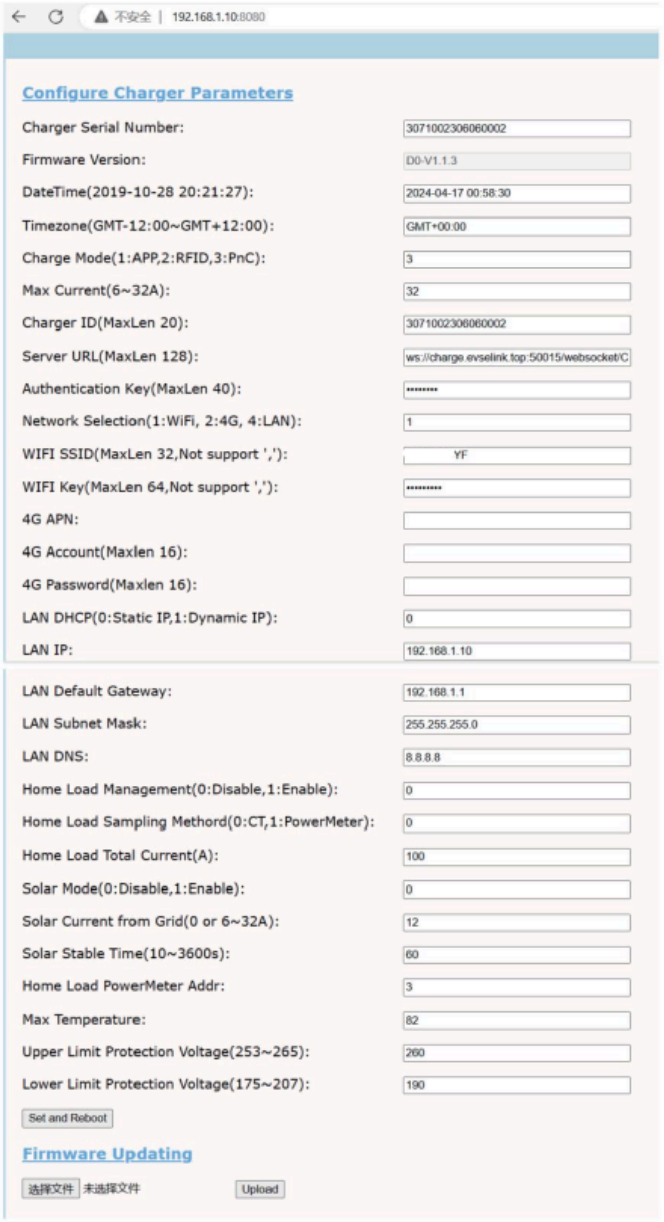


WEB setting

Web login

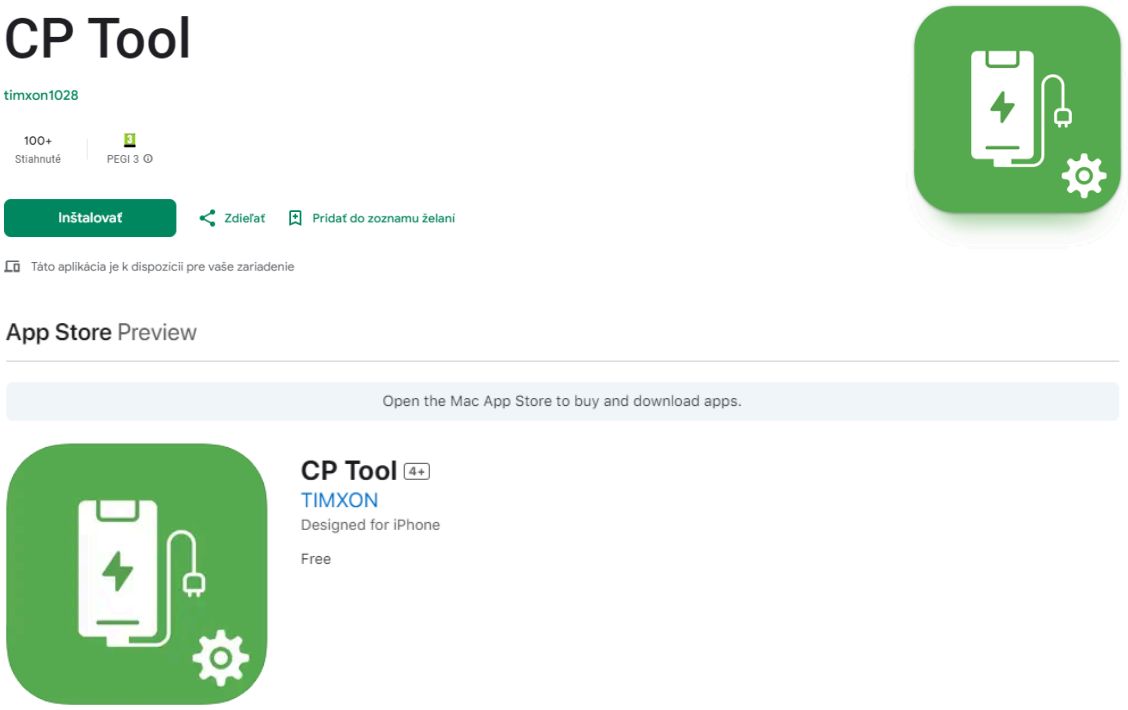
Set the IP address of your computer to 192.168.1.XX, open the browser and enter it：
http://192.168.1.10:8080

Web setting



Configuration CP Tool

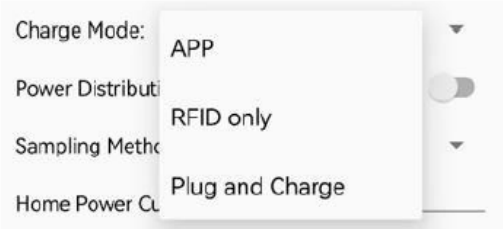
First you need to install the CP Tool app from Google Play or the App Store



Open CP Tool, find the Bluetooth device corresponding to the Charger SN, and click.

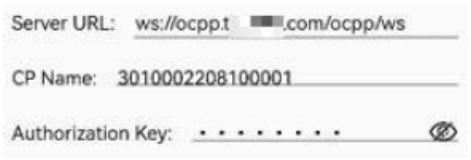
If the connection is successful, enter the password (default password: 12345678) in the password input box and click Confirm.

Select Charge Mode, APP, RFID Only, Plug and Charge.



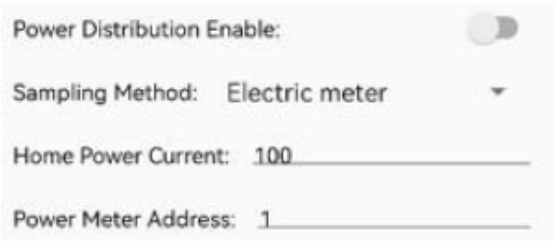
If you choose App mode, select the communication type (Wifi, 4G, LAN) and set the parameters.

Configure the parameters related to the OCPP connection.



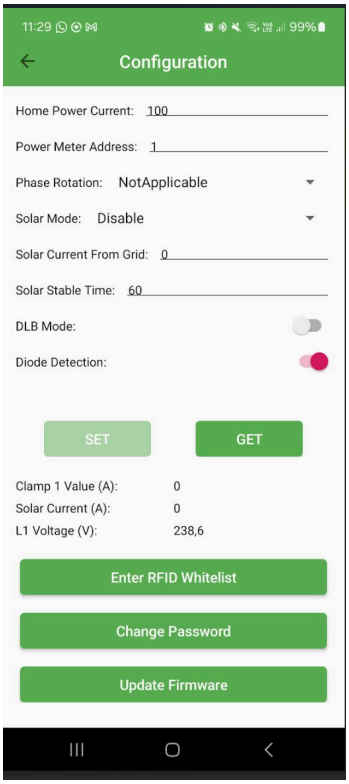
For all verification modes, you must set a limit for the charging current.

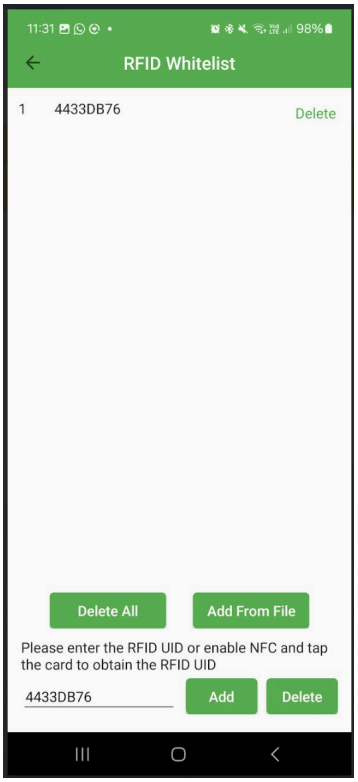
If you have activated the load balancing function, you also need to set the parameters:



After the parameters are modified, click SET, then return to the previous page, click Disconnect, and APP will disconnect the Bluetooth connection. At this time, the charger will save the configuration and restart. After restarting, the new parameters will be applied.

Adding a RFID card to the RFID Whitelist





1. To add cards, you must have NFC enabled on your mobile
2. Open the Configuration tab in the menu
3. To add an RFID card, use the Enter RFID Whitelist option
4. In the RFID Whitelist tab you can see all added card IDs
5. To add a new card, load via mobile (NFC function).
6. After loading, press Add to add a new card to the list (max. 10 cards)
7. After loading, close the application.

LED description

LED	Description
Solid yellow	Not connected to EV and not connected to the app
Solid blue	Not connected to EV but connected to the appRFID or Plug & Charge Mode: Not connected to EV
Flashing blue	Connected to EV
Slow flashing blue	A schedule is active
Glowing green	Charging in progress
Flashing green	Charging ended
Solid red	Unavailable
Fast flashing red	Firmware update in progress
Red flashing 1 times	Error: error code 1
Red flashing 2 times	Error: error code 2
Red flashing 3 times	Error: error code 3
Red flashing 4 times	Error: error code 4
Red flashing 5 times	Error: error code 5
Red flashing 6 times	Error: error code 6
Red flashing 7 times	Error: error code 7
Red flashing 8 times	Error: error code 8
Red flashing 9 times	Error: error code 9
Red flashing 10 times	Error: error code 10
Red flashing 11 times	Error: error code 11
Red flashing 12 times	Error: error code 12
Red flashing 13 times	Error: error code 13

Charging

- During the charge session, do not disconnect the connector. There is a risk of damage to the connector or your EV charging port.
    - Never tough the power plug/connection with wet hands.

App Mode

Start charging

- Remove the connector from the holster.
- Plug the connector into your EV charging port.
- The LED will light blue or the LCD screen shows ready, tap Start on the app.

Stop charging

- Tap Stop on the app.
- Carefully remove the connector from EV and stow the cable in the cable holster.

RFID Only Mode

Start charging

- Remove the connector from the holster.
- Plug the connector into your EV charging port.
- Tap the RFID card on the RFID reader.

Stop charging

- Tap the RFID card on the RFID reader again.
- Carefully remove the connector from EV and stow the cable in the cable holster.

Mód Plug & Charge

Start charging

- Remove the connector from the holster.
- Plug the connector into your EV charging port.
- The charger will automatically start charging once the connector is properly connected.

Stop charging

- Press the touch button.
- Carefully remove the connector from EV and stow the cable in the cable holster.

Troubleshooting and Maintenance

Error Code	Error Description	Troubleshooting Suggestions
1	Leakage	● Disconnect the leakage/over-current protection, switch off the distribution box immediately ● Check whether the charger's output cable is damaged or has low-impedance ground or short circuit ● After troubleshooting the above problems, power on the charger again. If the problem still exists, contact customer support
2	Over current	● Check whether the charging connector is correctly connected. ● Check whether the OBC (On-board Charger) is normal
3 4	Ground fault Over voltage Or under voltage	● The charger is not grounded. Check the input power cable. ● In case of a single live wire, make sure that the L and N wires are not wired in reverse. ● Check whether the input cable is property connected. ● Check whether the voltage on the power input is too high or not sufficient. If yes, contact local power grid company
5	Relay weldingor breaking	● Power off and restart the charger. If the problem still exists, contact customer support
6	Abnormal CP (Control Pilot)	● Check the charging connector and charging socket of your EV ● Disconnect and reconnect the charging connector
7	Electronic lock fault	● Check that the electronic lock connection is reliable
8	Over temperature	● The ambient temperature is too high.Please keep it at 50 degrees Celsius
9	Emergency Stope	● Check that the emergency stop switch is pressed (Optional)
10	Tamper Detectede	● Check that the charger cover is closed (Optional)

11	Energy meter communication fault	● Check whether the communication cable of the chargermeter is properly connected or loose ● Check that the baud rate of the meter is 9600(Optional)
12	Diode missing	● No vehicle diode detected, lf it is not a real car, pleaseconfirm the presence of a diode
13	DLB communication fault	● Please check whether the RS485 communication cable is connected correctly

Maintenance

To ensure long-term stable operation of the equipment, the equipment does require some basic, common sense maintenance. The exterior maintenance can be performed by the user. All other service must be conducted by qualified personnel. It is recommended to perform a maintenance every month depending on the environment.

- To avoid accumulation of debris/dust/dirt on or around the unit, wipe surfaces with a soft cloth dampened with water, or for harder to remove marks, use an alcohol based cleaner.
- Check whether the equipment is properly grounded and safe.
- Check whether there are potential safety hazards like flammable, explosive, harsh or combustible materials around the charger. If present, clear the materials.
- Check for debris or damage inside or around the cable and connector. If present, remove debris and/or contact a qualified personnel for help.
- Check for loose connections. If present, unplug the cable and re-insert it.

Warranty

We offers a limited 2-year wallbox warranty.

Seller will not be responsible for, any defect in or damage to the charger: (1) that has been misused, neglected, tampered with, altered, or otherwise damaged, either internally or externally; (2) that has been improperly installed, operated, handled or used, including use under conditions for which the product was not designed, use in an unsuitable environment, or use in a manner contrary to the User Manual or applicable laws or regulations; (3) that has been subjected to fire, water, generalized corro-sion, biological infestations, acts of God, or input voltage that creates operating conditions beyond the maximum or minimum limits listed in the specifications; or (4) that has been subjected to incidental or consequential

damage caused by defects of other components of the electrical system.If you have any questions, please contact us via email.