SEAK | LIGHTING CONTROL &
ENERGY EFFICIENCY MANAGER

User Guide
LUMiCHARGER WS

Contents

1 Safety instructions

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.

- Leave no inflammable or explosive substances near the EV Charging point; otherwise, hazardous blast may result.
- Installation and wiring should be done by personnel with professional qualification, otherwise, hazardous electric shock may result.
- Make sure input power supply is entirely disconnected before wiring; otherwise, hazardous electric shock may result.
- Earth terminal of the EV Charging point must be grounded securely; otherwise, hazardous electric shock may result.
- The lead nose of the charging point must be securely attached or there is a risk of damaging the equipment.
- Leave no metals such as bolts, gaskets into the inside of the EV Charging point; otherwise, hazardous blast and fire may result.
- Strictly forbidden for minors or persons of restricted capacity to approach the charging point to avoid injury.
- Forced charging is strictly forbidden when the electric vehicle or charging point fails.
- 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.
- EV can only be charged with the engine off and stationary.
- Accessory replacement must be done by qualified personnel, thrums or metals are prohibited to be left in the controller; otherwise, hazardous blast and fire may result.
- It is recommended that routine safety inspection visits to charging point be conducted at least once a week
- Keep the charging connector clean and dry and wipe with a clean, dry cloth if soiled.

2 Included Mounting Parts And Required Tools

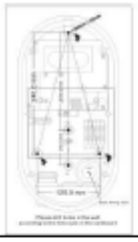
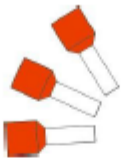
Drilling Template 	Insulated Cord End Terminal 	waterproof gaskets 
8 x 40 mm Wall plugs 	Φ5 x 40 mm Screws 	

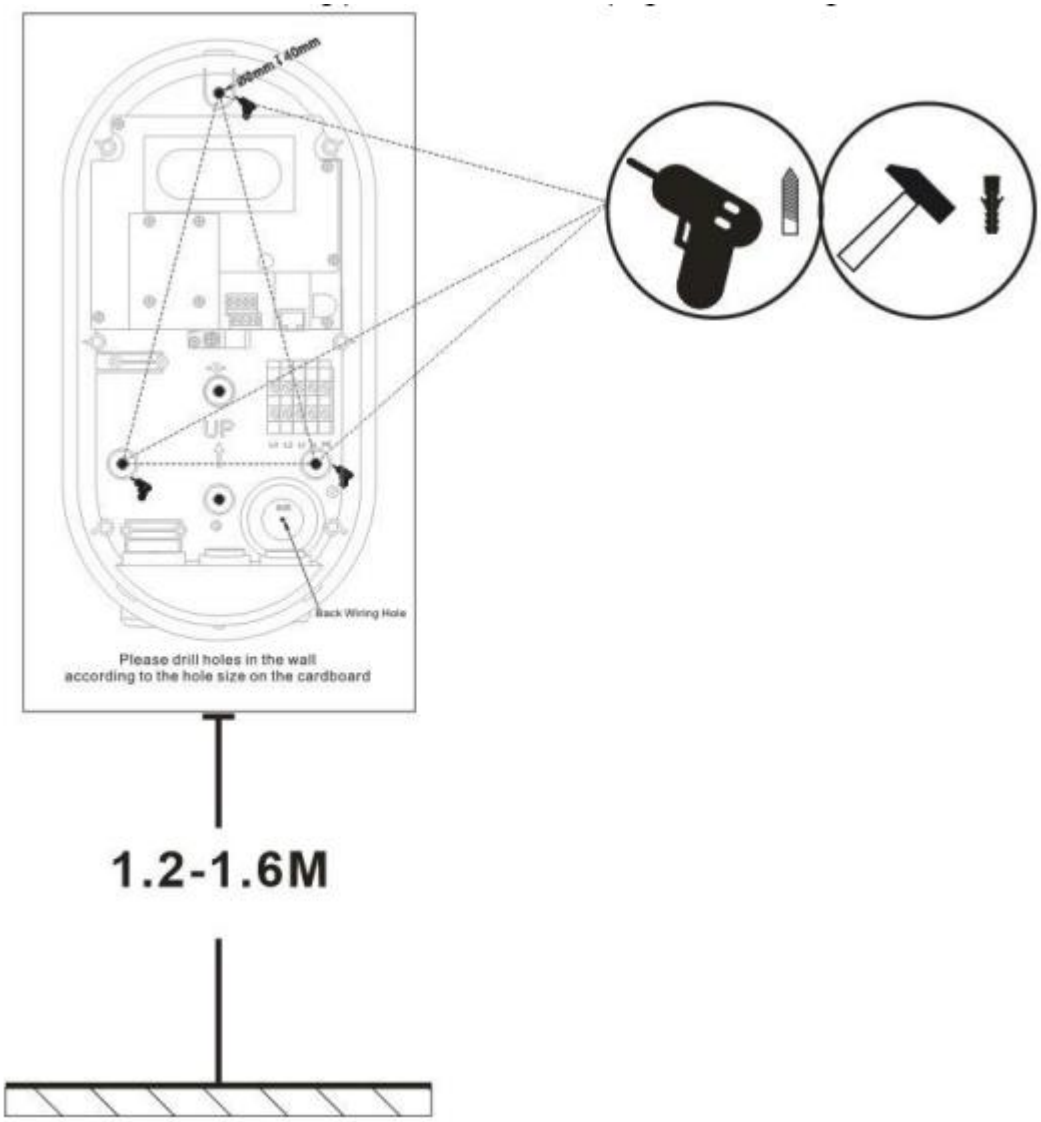
Figure 2-1 Mounting Parts

Measuring Tape 	Electric Drill 	Hammer 	Slotted screwdriver 
Screwdriver (Phillips head) 	Wire Stripper 	Utility Knife 	Φ8mm drill bit 

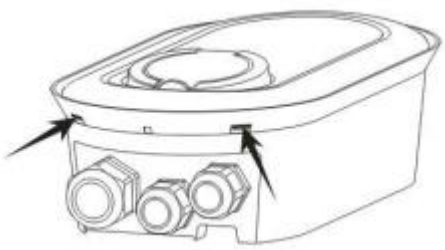
Figure 2-2 Installation Tools

3 Installation steps

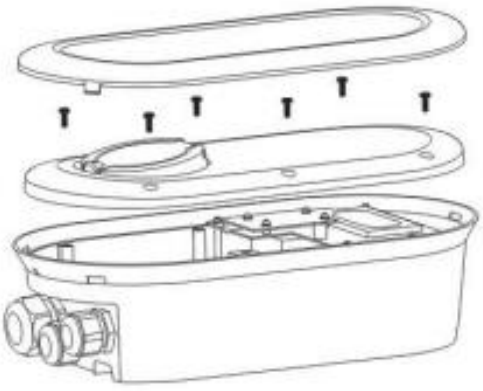
Cut the drilling template from the carton, place the drilling template on the wall, drill holes where the three fixing points, insert the Wall plugs into the fixing holes.



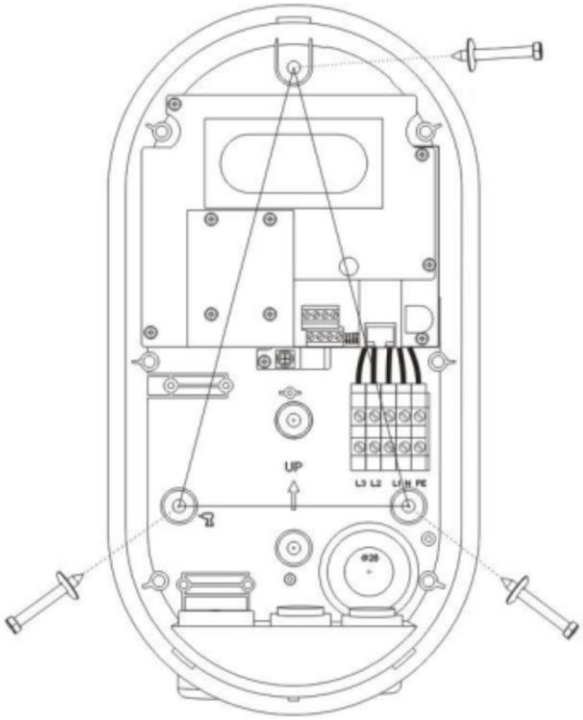
To open the cover, press the 2 prongs on the charging station and lift the first cover.



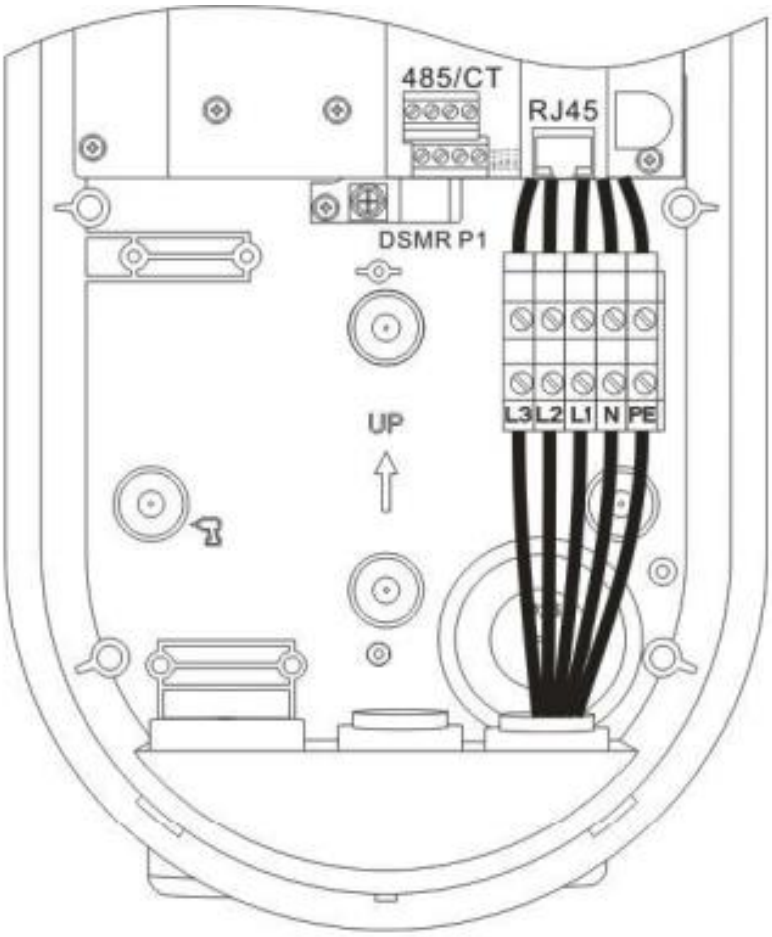
Then loosen the six screws and lift the second cover.



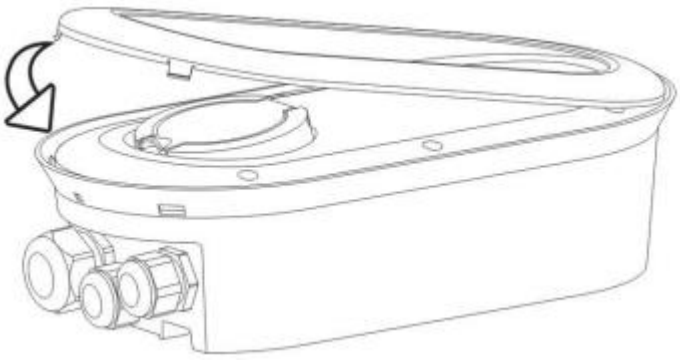
Fix the device on the wall by inserting the screws and waterproof gaskets.



Connect the wires according to the following picture:

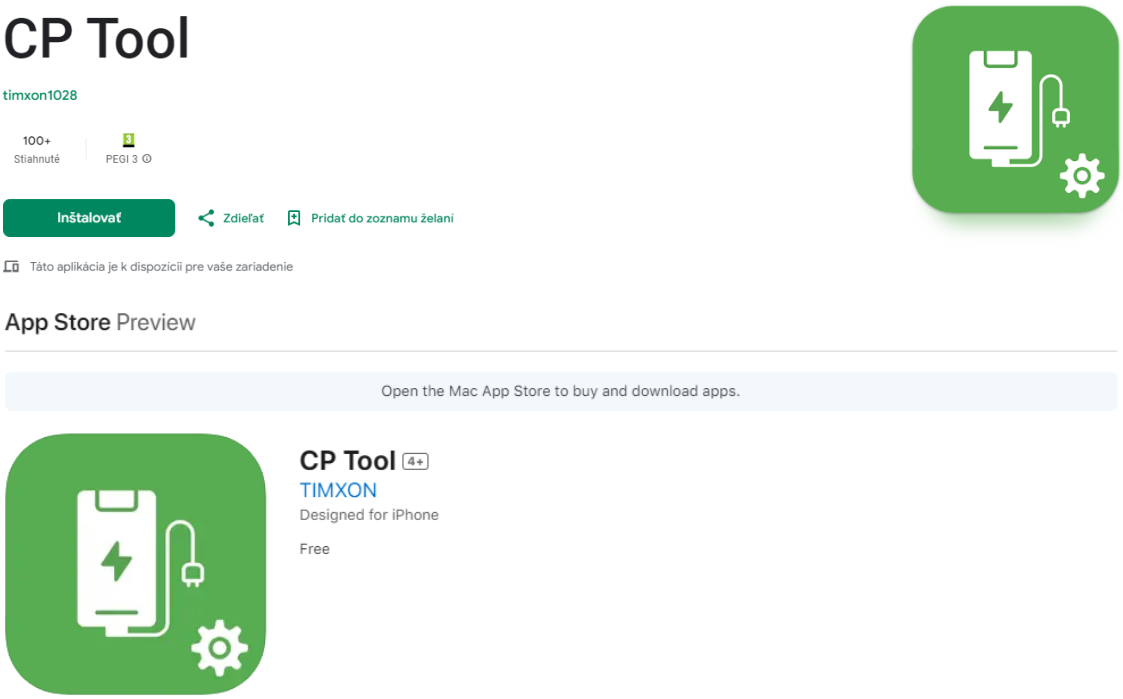


Screw back the cover screws. Buckle the upper cover.



4 Configuration

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.

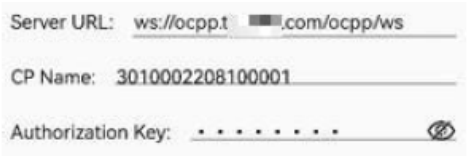
If the connection is successful, enter the password (default password: 12345678) in the

password input box and click Confirm.

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

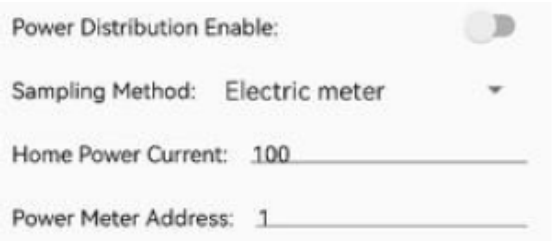
If you choose App mode, select the communication type (Wifi, 4G, LAN) and set the parameters.

Configure the parameters related to the OCPP connection.



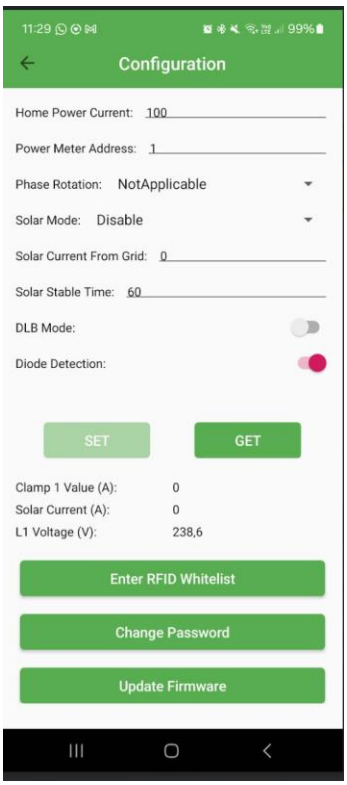
For all verification modes, you must set a limit for the charging current.

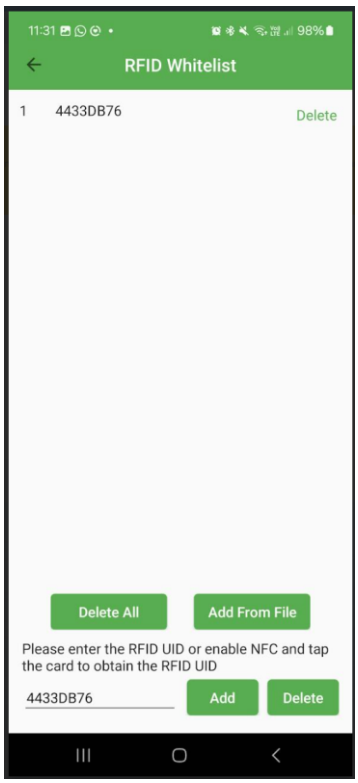
If you have activated the load balancing function, you also need to set the parameters:



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.

5 Charging operation

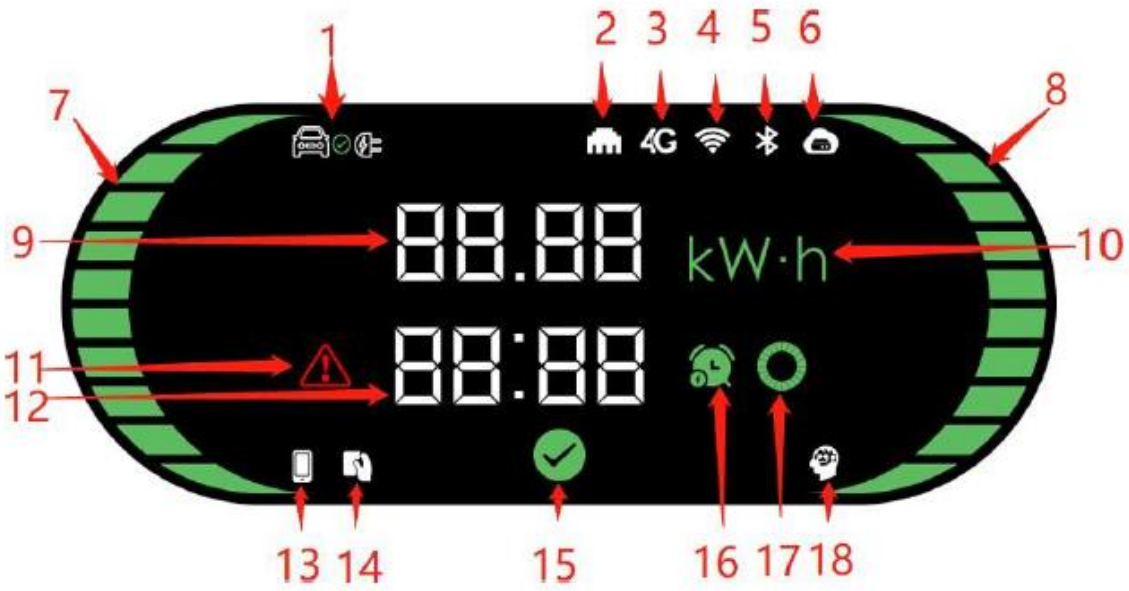
1 LCD display
2 RFID reader
3 On/Off button
4 Connector

When charging via the app, you must install the charging app and follow the instructions.

When charging using RFID authentication, you need to place the RFID card on the reader to start charging. When charging is complete, the RFID card must also be inserted and the vehicle disconnected.

In Plug&Play mode, charging is initiated by connecting the vehicle and pressing the On button to start charging. Charging is terminated by pressing the Off button and disconnecting the charging cable.

6 LCD Display



1 EV connection
2 LAN
3 4G
4 WiFi
5 Bluetooth
6 CMS
7 Left status bar
8 Right status bar
9 Energy, power, or rated current
10 Power Unit
11 Fault indicator
12 Time or fault code
13 Mobile APP control
14 RFID authentication
15 Available indicator
16 Reservation time indication
17 Waiting indicator
18 Smart Charger indicator

Available display (Not connected to EV)

The value of the available rated current is displayed. One left and right status bar indicates a single-phase charger; Three left and right status bars indicate a three-phase charger

Display - preparing of charging

Display - charging

Display - Charging suspend

Display -Charging finish

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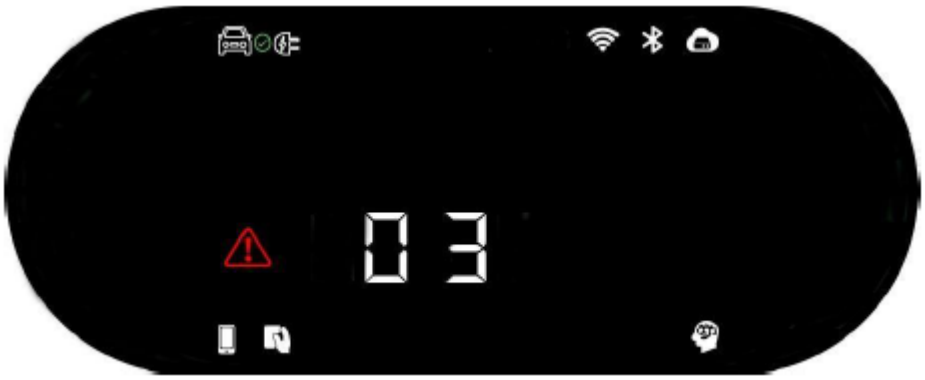
Display fault code, for the meaning of the fault, see Troubleshooting



7 Troubleshooting

Fault code	Fault description	
1	Leakage	Check whether the charging connector and its cable are damaged or wet.
2	Over Current	Check whether the charging connector is correctly connected. Check whether the OBC is normal
3	Ground disconnected	Charging station is not grounded; input power cable needs to be checked
4	Overvoltage or undervoltage	Check whether the input cable is reliably. Check whether the input voltage is abnormal.
5	Contactor welding or breaking	Check whether the contactor connection is reliable.
6	CP abnormal	Check the charging connector and charging socket of EV. Disconnect and reconnect the charging connector.
7	Electronic lock fault	Check that the electronic lock connection is reliable.

8 Maintenance

To ensure the long-term stable operation of the equipment, please maintain the equipment regularly (usually every month) according to the operating environment.
a) The equipment is maintained by professionals.
b) Check whether the equipment is well grounded and safe.
c) Check whether there are potential safety hazards around the charging pile, such as whether there are high
temperature, corrosion or inflammable and explosive articles close to the charging station.
d) Check whether the join point of the input terminal is in good contact and whether there is any abnormality.
Check whether other terminal points are loose.