



Caro Series Wallbox EV Charger

User Manual

AC7000-AE-35 ■ AC011K-AE-35 ■

V1.0

Table of Contents

1. Safety Instruction	3
2. Packing List	5
3. Product Overview	6
3.1 Product Features	6
3.2 Labelling.....	7
4. Exterior Overview	8
4.1 Cable Model.....	8
4.2 Socket Model.....	9
5. Model Variant	9
6. Technical Specification	10
7. Installation.....	11
7.1 Required Cable and Accessory	11
7.2 Required Tools	12
7.3 Installation Procedure	13
8. Charging App.....	17
8.1 App Introduction	17
8.2 Download & Installation.....	17
8.3 Sign Up and Log In	17
8.4 Bind Charger to App.....	18
8.5 Select Communication Mode	18
8.6 Set Maximum Charging Current	19
8.7 Transfer Ownship to End User	19
8.8 Charging Operation.....	20
9. Dynamic Load Balancing.....	22
9.1 Wiring for Dynamic Load Balancing	22
9.2 Configuration.....	23
10. Indicator	25
11. Troubleshooting	26
11.1 Troubleshooting Common Faults.....	26
11.2 Troubleshooting Technical Faults.....	27
12. Routine Maintenance.....	29
13. Storage and Transportation	29
14. Disassembly	29
15. Disposal/Scrapping	29

About this manual

Thank you for choosing our Caro series charger.

This manual is provided as a guide to installation and operation and is specifically applicable to the Caro Intelligent EV charger. Failure to install and operate the Caro in accordance with these instructions may damage the unit and invalidate the manufacturer's warranty.

Unauthorized modification of the Caro Product voids the manufacturer's warranty.

The guide is for reference only and does not constitute a warranty of any kind. The actual product (including but not limited to color, size, and functions) may vary. If this guide is inconsistent with the description on the official website, the latter prevails.



Some functions may be subject to change, according to the charger's latest software updates.

General symbols and signal words used in the document



With signal word 'Danger':

If you do not obey the instruction, this can cause death.



With signal word 'Warning':

If you do not obey the instruction, this can cause injury.



With signal word 'Caution':

If you do not obey the instruction, this can cause damage to the EVSE or to property.



With signal word 'Note':

A note gives more data or give some tips, to make it easier to do the steps.

1. Safety Instruction



- Do not install or use the product in or near areas with flammable, explosive, chemical materials, or steam.
- Before installing or cleaning the product, switch off the upstream residual current operated circuit-breakers with integral over current protection (RCBO) of it.
- Do not use or replace the product in extreme weather conditions.
- Do not remove the safety marks, warning signs, nameplates, or cabling marks from the product.
- Do not spray water or any liquids on the product.
- Keep children and pets away from the product.
- Do not disassemble, repair, or modify the product on your own; instead, by a certified or qualified professional.
- When installing the product, install the ground cable first. When uninstalling the product, remove the ground cable last. Do not work on the product in the absence of a properly installed ground cable.
- Do not install or remove power cables with power on. Before switching on the upstream RCBO, ensure that cables are correctly connected to the charger.
- Use cables that comply with local regulations and ensure that the insulation layer is intact.
- Seal unused power cable holes with cable rubber cover after the installation is complete.
- Do not fold or crush any component of the product, or damage it with sharp objects.
- Do not use the product if it is defective, cracked, damaged, or malfunctioned.
- A generator cannot serve as the power supply for the product.
- Do not connect the product to devices other than a vehicle.
- Cord extension sets are not allowed to be used.
- Do not insert your fingers or sharp objects into an components of the product.
- Radio waves generated by the product may affect normal operation of implanted medical appliances or personal medical appliances, such as the pacemakers, cochlear implants, and hearing aids. Consult the manufacturer of your medical equipment for more information.














- Ensure that the installation surface is solid enough to hold the charger. It is recommended that the wall have a bearing capacity of at least 100 kg.
- Ensure that the wall is flat and reserve sufficient space around the installation position to ensure good ventilation.
- Ensure that the wall is larger than the rear cover of the charger.
- When installing the product, use a screwdriver with a proper torque to tighten the screws.
- When routing power cables, ensure that there is no coiling or twisting.
- Do not join or weld power cables. If necessary, use a longer cable.
- Do not install or use the product in an environment with strong magnetic fields or near a wireless transmitter.



- Do not use third-party cables or adapters.
- Do not drop, squeeze, or pierce the product to avoid device faults.
- Before charging your electric or hybrid vehicle, turn off the car.

2. Packing List

Upon receipt of your shipment, kindly verify the contents against the packing list. Should any items be absent, do not hesitate to reach out to us without delay.

Item	Icon	Quantity	
		Tethered	Untethered
M4*32 screw		6	3
Wall plug		6	3
Cable holster		1	/
M4 Hex key		1	1
Dismounting tool		1	1
Seal cap		1	1
Wire ferrule		3 (single phase) 5 (three phases)	3 (single phase) 5 (three phases)
Cable clip		1	1
RFID card		2	2
M3*12 screw		2	2
6 Pins terminal block		1	/

3. Product Overview

The Caro Product specified in this document is design for the market to charge European Standard plug-in electric vehicles (PEVs), plug-in hybrid electric vehicles (PHEVs), and battery electric vehicles (BEVs). It provides EU standard Type 2 AC charger cable connector or socket.

3.1 Product Features

- **Universal Type 2 cable lead or socket.**
- **Power rating – Up to 7kW or 11kW models.**
- **Adjustable power rating: 7kW: 6~32A, 11kW: 6~16A.**
- **Intelligent Authentication:**
 - 1). Support charging user identification on online mode or Bluetooth mode.
 - 2). Smart RFID/Bluetooth/App Authentication.
 - 3). Supports plug to charge while authentication is off.
- **Multiple charge modes**
 - 1). Plug to Charge
 - 2). General mode: start charging via RFID card, start charging via App
 - 3). Remotly start charging via App
 - 4). Scheduled charge via App
 - 5). Eco Mode*
 - 6). EMS compatible*
- **Built-in LED charging status indicator.**
- **Network connectivity: WiFi, Ethernet or 4G.**
- **OCPP 1.6 compliant.**
- **CE 6nd CB certified.**
- **Dynamic Load Balancing.**

The Caro Serials charger has a Dynamic Load Balancing capability which is designed to prevent overloads of the property's power supply when a electric vehicles is being charged.

Once correctly installed and configured, the system will monitor the power being drawn by the charging process and will compare this to the permissible maximum for the property as a whole(need to be set). With this information, the power made available for charging can be dynamically adjusted to reduce the load before the property's maximum load is exceeded.



- *Load balancing ONLY controls power made available to the VEHICLE. It does not control power to other equipment(home applications) ,and it is still possible that other equipment cause overload the property’s power supply. Please address the source of the equipment that actually caused the overloading.*
- *Depending on the manufacturer, electric vehicles need a minimum of around 6 Amps to charge. If the available power is below this level, the vehicle may stop the charge session.*
- *In order to monitor the total load,extra current transformer / smart meter are needed .*
- *The lower the power available for charging, the more slowly the vehicle will be charged.*

• **PV energy utilization**

The Caro Series chargers are designed with dedicated ports to ensure seamless integration with various EMS systems, providing flexible energy management solutions.

This require extra accessories, please contact our technical support for more information.



PV energy refers to the electricity produced by solar panels that transform sunlight into a usable power source for homes and businesses.

• **Energy management system (EMS) integration**

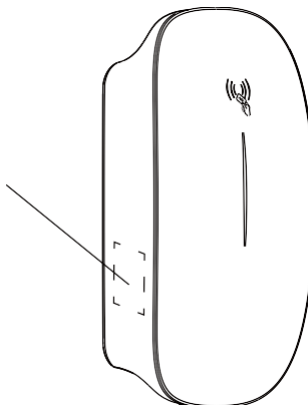
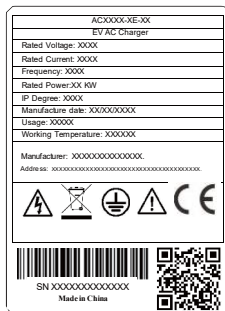
The Caro Series chargers are designed with dedicated ports to ensure seamless integration with various EMS systems, providing flexible energy management solutions.

For details about EMS, please contact our technical support for more information.



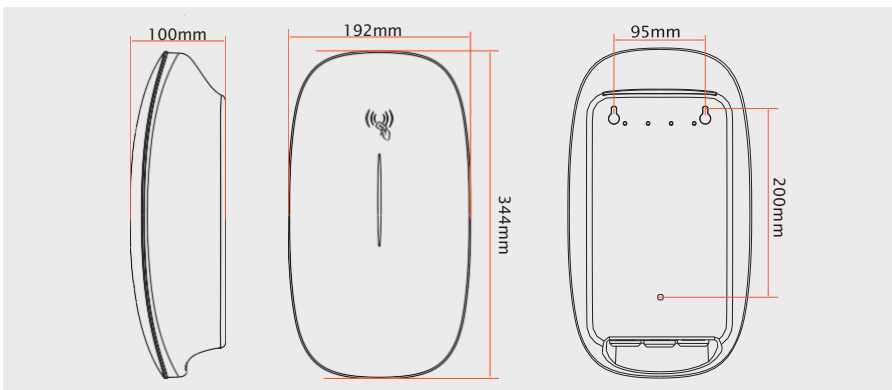
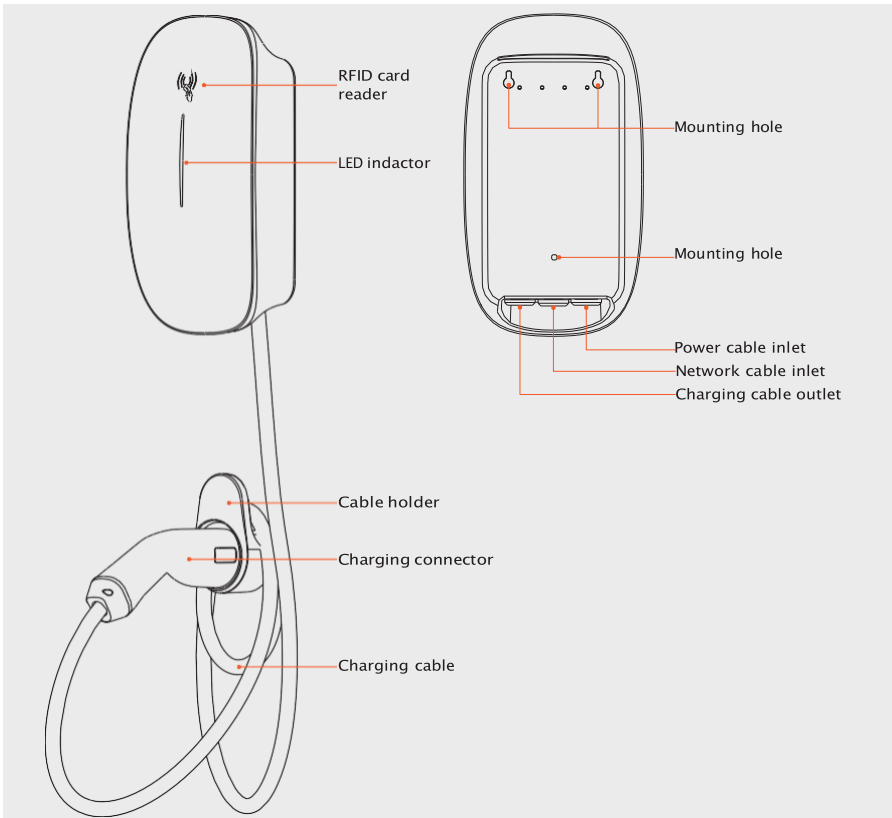
The Energy Management System (EMS) is like an intelligent butler that monitors your energy usage, automatically adjusts the operation of devices, and uses energy in the most economical and efficient way, while ensuring safety and reducing waste, helping you save money and protect the environment.

3.2 Labelling

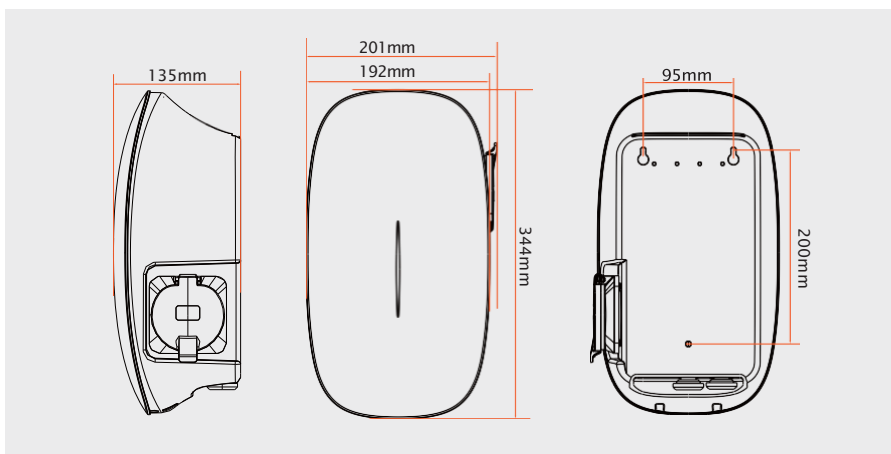
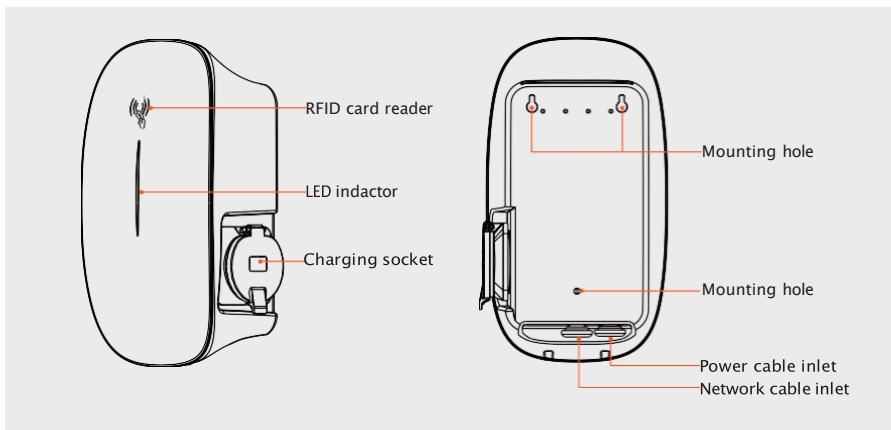


4. Exterior Overview

4.1 Cable Model



4.2 Socket Model



5. Model Variant

Model No.	Rating	Connector
AC7000-AE-35	7kW	Type 2 Cable
AC011K-AE-35	11kW	Type 2 Cable
AC7000-BE-35	7kW	Type 2 Socket
AC011K-BE-35	11kW	Type 2 Socket
AC7000-BE-35-T	7kW	Type 2 Socket with shutter
AC011K-BE-35-T	11kW	Type 2 Socket with shutter

6. Technical Specification

Model		AC7000-AE-35	AC011K-AE-35
		AC7000-BE-35	AC011K-BE-35
		AC7000-BE-35-T	AC011K-BE-35-T
Electrical Specification	Rated power	7kW	11kW
	Power supply	1P+N+PE	3P+N+PE
	Rated voltage	230V AC	400V AC
	Rated current	32A	16A
	Frequency	50/60Hz	
Basic Attributes	Charge connector	Type 2	
	Cable length	5m / 4m / 7m	
	Enclosure	PC	
	Installation	Wall-mount/Pole-mount (optional)	
Interactive interface	LED indicator	Green/Yellow/Red	
	RFID reader	Mifare ISO/IEC14443 A	
	Start mode	Plug to charge / App /RFID card	
Communication	Wi-Fi + Ethernet	Standard	
	Wi-Fi + 4G	Optional	
	Bluetooth	Standard	
	OCPP	OCPP1.6 Json	
Safety	RCD	30mA Type A + 6mA DC	
	Ingress protection	IP65 (cable)	IP54 (socket)
	Impact protection	IK08	
	Electrical protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection	
	Certification	CE/CB/RoHs	
	Certification standard	EN IEC 61851-1:2019 IEC61851-1:2017 IEC61851-21-2:2021	
	Warranty	Two years	
Working environment	Working temperature	-30 °C to 50°C	
	Working humidity	5% to 90%	
	Working altitude	< 2000m	

7. Installation

Before the installation, ensure that:

- The charger power is within the allowed load range of the place.
- Cables and RCBOs meet the installation and usage requirements.
- If the AC input power cable exposed to the outdoor environment is 3m or longer, consult the local installer. You are advised to install a surge protective device (SPD) at the upstream of the charger's RCBO.
- A network cable that is long enough is prepared if the charger is connected to a wired network.
- The installation area should be covered by a wireless network if the charger is connected to the network through WiFi.

7.1 Required Cable and Accessory

Before installation, you will need to prepare the following accessories and cables on your own:



To facilitate cabling, aluminum wires and solid copper wires are not recommended. Ethernet cable, RJ45 connector, and RS485 cable are necessary solely for the implementation of their respective functions.

Item	Specification
Power cable	Operating current: 32A: Cross section area: $\geq 6\text{mm}^2$ Operating current: 16A: Cross section area: $\geq 2.5\text{mm}^2$
RJ45 connector	Standard
Ethernet cable	Cat 5e or higher, CSA: $0.2 \sim 0.25\text{mm}^2$
RCBO	2P RCBO, C40, 40 A (50 A is recommended if the ambient temperature is higher than 45°C), Type A, in compliance with local regulations.
RS485 cable	22 to 24AWG shielded twisted pair

7.2 Required Tools

Tool	Icon	Function
Tape ruler		Measure the installation height
Electric screw driver		Fasten the screws
Hammer		Drive the wall plugs into the wall
Wire stripper		Strip the wire
Multimeter		Check the voltage and current
Level (> 180mm)		Keep the charger level
Marker		Make marks on the wall
Electric drill		Drill holes on the wall
Wire cutter		Cut the cable
Crimping pliers		Clamp cord end terminal
Hydraulic clamp		Clamp the RJ45 connector



The tools are not included with the charger; they are commercially available.

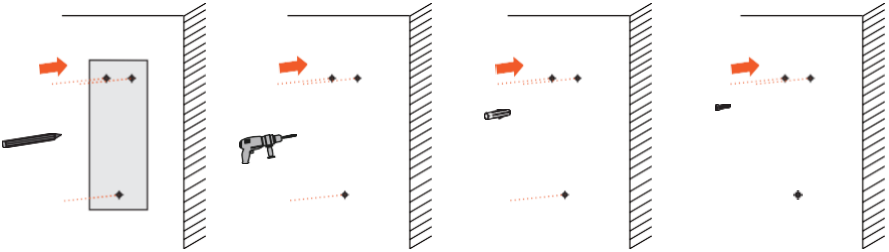
7.3 Installation Procedure



- Please note that the installation drawings are for illustrative purpose only, and the actual installation should be based on the physical charger.
- Please note that the internal structure of the charger may differ based on the supported communication methods.

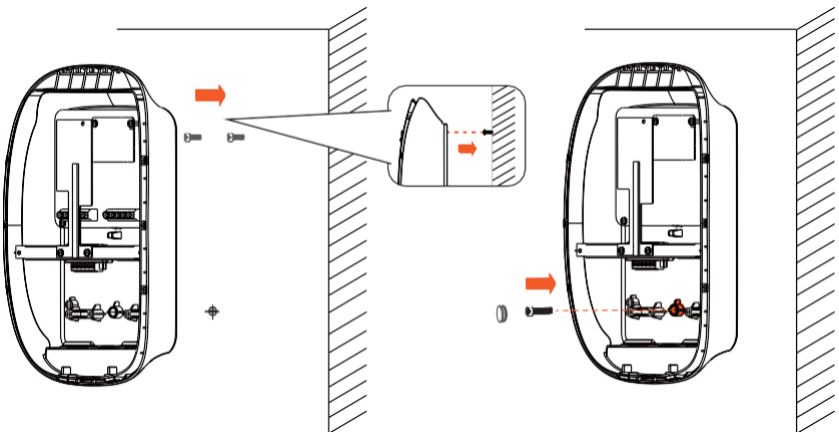
1 Install wall mounting screw

1. Place the positioning diagram on the wall, aligning it properly.
2. Make marks on the wall corresponding to the holes indicated on the diagram.
3. Drill three holes, each 40mm deep, at the marked spots.
4. Drive three wall plugs into the drilled holes, ensuring they are flush with the wall surface.
5. Drive two wall mounting screws into the upper two wall plugs, leaving a 5mm gap between the screw heads and the wall surface to form hooks.



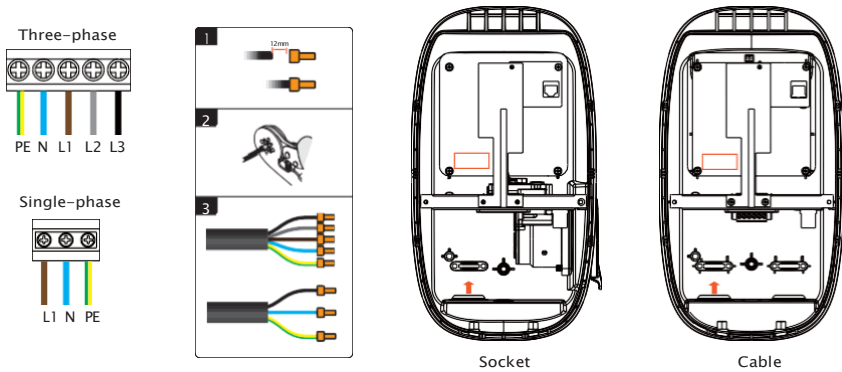
2 Hang the enclosure on the screws

1. Position the enclosure on the wall mounting screws by aligning and inserting the protruding screws into the mounting holes on the back of the enclosure.
2. Seal the middle mounting hole with the seal cap.



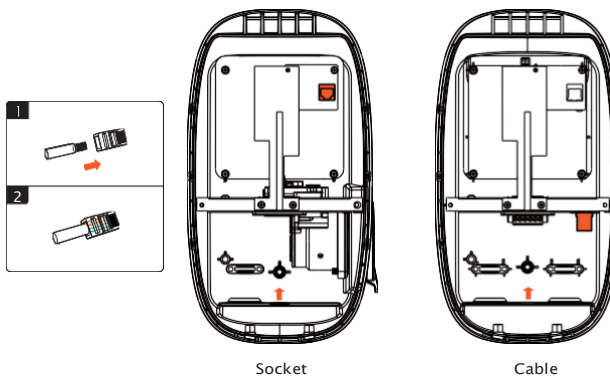
3 Connect power cable

1. Use a wire stripper to stripe the power cable, exposing a 12mm length of conductors.
2. Warp the exposed conductors with wire ferrules.
3. Use a cable crimping tool to securely crimp the wire ferrules.
4. Connect the crimped end into the terminal block.
5. Use a cable clip to secure the power cable in place.



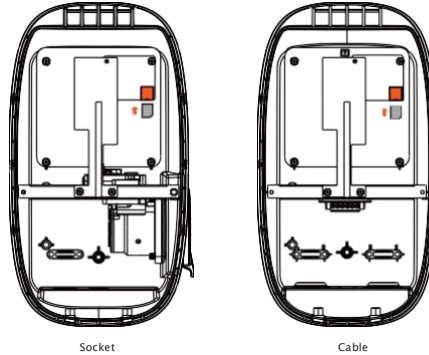
4 Connect Ethernet cable (Cable version)

1. Use a wire stripper to remove the outer insulation, exposing the inner wires.
2. Arrange the wires in the correct order (T568A / T568B) and insert them into the RJ45 connector.
3. Use a crimping tool to secure the RJ45 connector into the network port as shown below.



5 Insert SIM card

1. Locate the SIM card slot as shown below.
2. Insert the SIM card into the card slot as the indicated direction.



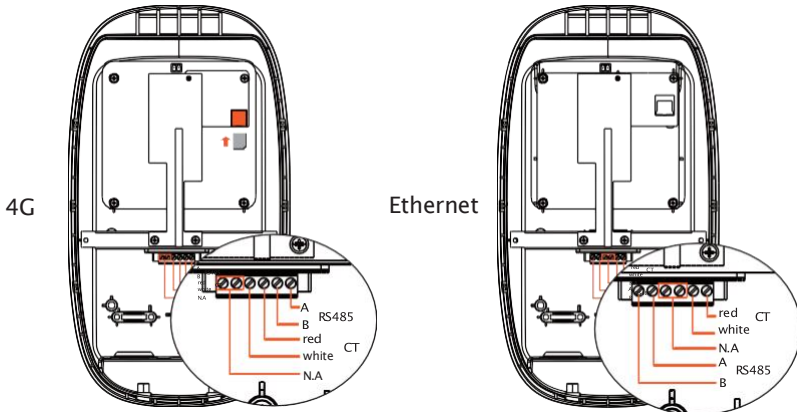
6 Connect RS485 cable & CT

The locations of the RS-485 and CT ports remain consistent regardless of whether the charger is single-phase or three-phase; their variations in positioning are primarily dictated by the distinct communication methods employed.

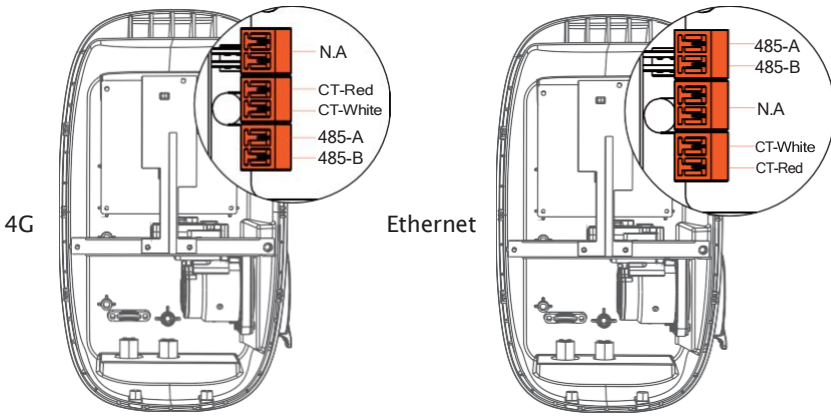


The charger body is marked with labels for the RS485 and CT ports; please refer to these labels and follow the provided instructions to properly connect the wires.

The connection ports for cable model:

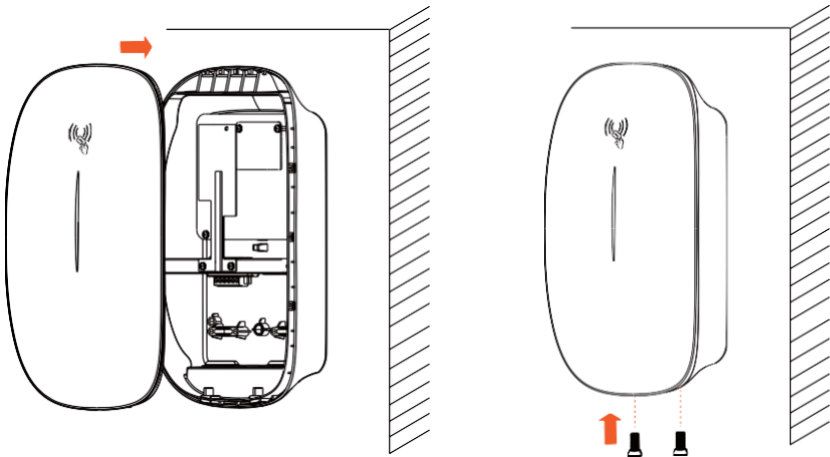


The connection ports for socket model:



7 Secure the enclosure and faceplate of the charger

1. Tighten the wall mounting screw into the middle hole to firmly secure the enclosure to the wall.
2. Mount the faceplate onto the enclosure and secure it in place.
3. Installation completed.



8. Charging App

8.1 App Introduction

Evcharge App, your companion app for managing your charger.

Designed with user-friendly interface, Evcharge offers seamless integration with your charging needs.



If you are an installer, you can download and install Evcharge App, and after completing all necessary configurations, you can transfer the ownership to the user. The user then simply install the App and log in to easily control the charging process with the App.

8.2 Download & Installation

Download and install the latest app on your smartphone.

Follow the instructions on the app to complete wizard settings and parameter settings.



App installation



App user manual

8.3 Sign Up and Log In

Account creation:

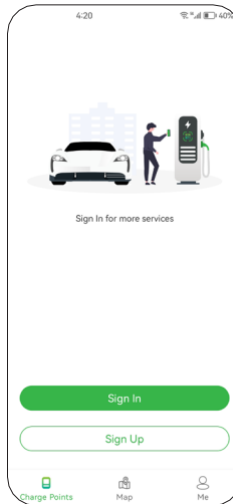
Open the app and tap "Sign Up" to create a new account. Enter your Email address, set a password and confirm you details.

Login:

To login, enter your email and password.

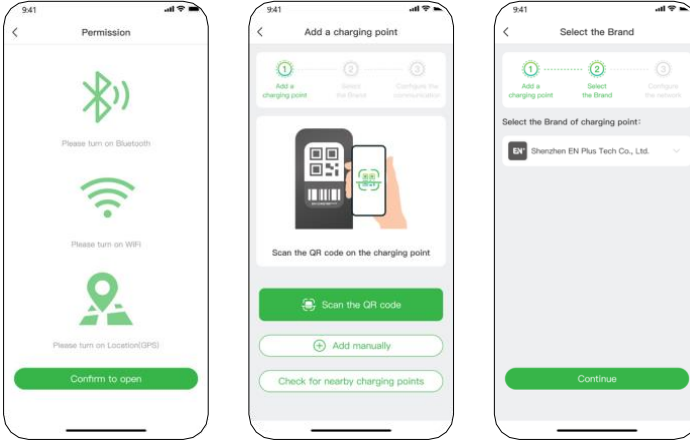
Select Scenario:

Select the second one.



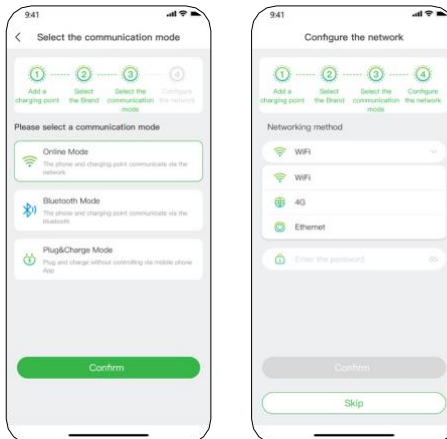
8.4 Bind Charger to App

- Turn on Bluetooth, Wi-Fi and GPS in your mobile phone.
- Add the charger through the provided methods.
- Select the brand of your charger.



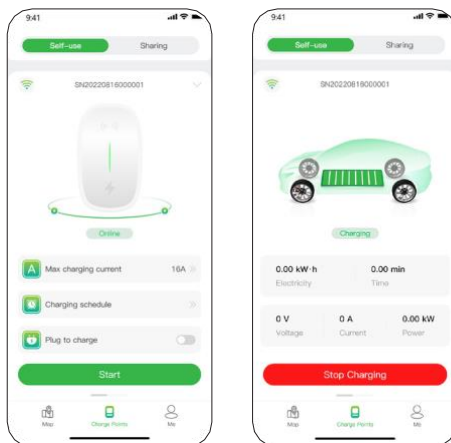
8.5 Select Communication Mode

- The communication modes determine the charging modes you use to charge EV.
- If Bluetooth mode and plug to charge mode are selected, it will jump to the charging control page directly.
- If online mode is selected, you need to configure network (4G, Wi-Fi or Ethernet) for the charger.



8.6 Set Maximum Charging Current

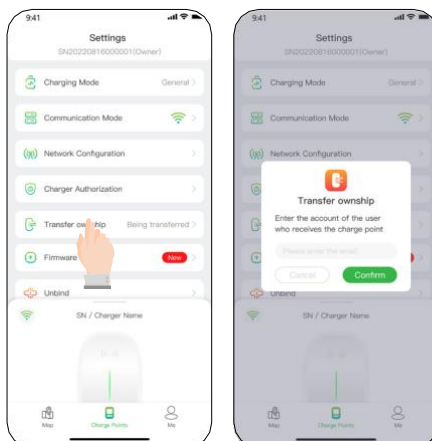
The main fuse or circuit breaker in the property's consumer unit should be labelled to state the maximum load. It is imperative that the maximum charging current is configured in such a way that the property's power supply remains uninterrupted, even at peak usage, while ensuring that all other household appliances continue to function without disruption.



8.7 Transfer Ownership to End User

If you are an installer, after completing the above step and no other functions such as load balancing, PV charging are required, you can use the "Transfer Ownership" feature within the APP to transfer account control to the user. This way, the user can easily control charging without any additional configuration through the APP.

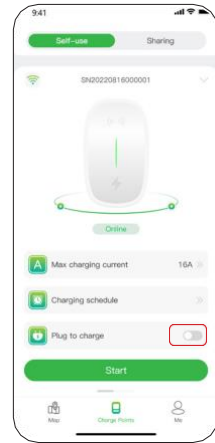
1. Swipe down on the charging page.
2. Tap "Transfer ownership".
3. Enter the email address of the receiver.



8.8 Charging Operation

Plug to charge

- Turn on the "plug to charge" toggle.
- Plug the charging connector in, and The indicator flashes green quickly for five times.
- The indicator gradually brightens, then gradually dims in green while charging in progress.
- The charging session will be stopped by EV side upon it is fully charged.



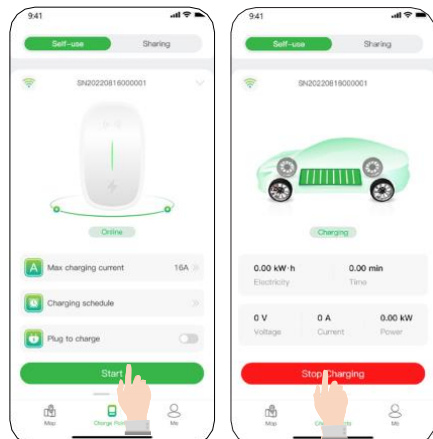
Control charging via App

Controlling charging process via App is convenient, with two options available: either through network connections like 4G, Ethernet, or Wi-Fi, or via Bluetooth.



For the Bluetooth, it's important to maintain your phone within the Bluetooth communication range of charger to ensure a reliable and stable connection.

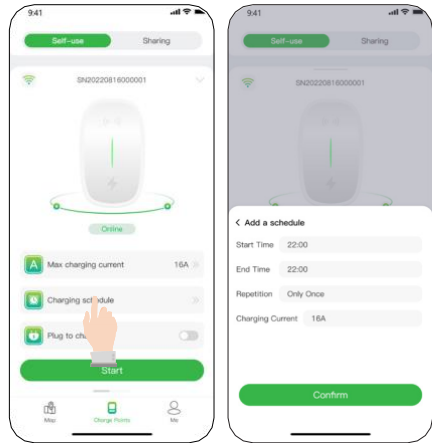
- Plug the charging connector in, and The indicator flashes green quickly for five times.
- Tap "Start" button in the screen, and the indicator gradually brightens, then gradually dims in green while charging in progress.
- The charging will be stopped automatically as EV is fully charged, or you can tap "Stop" button to stop charging.



Scheduled charging

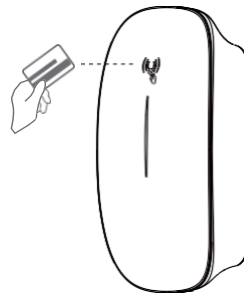
Scheduled charging for EVs lets you set specific times to charge your electric vehicle, helping you save on electricity costs and reduce strain on the grid.

- Plug the charging connector in, and The indicator flashes green quickly for five times.
- Tap "Charging schedule" to create a schedule.
- The charging will start automatically upon reaching the specified time.
- The charging will be stopped automatically as EV is fully charged, or you can tap "Stop" button to stop charging.



Charging by swiping card

- Plug the charging connector in, and The indicator flashes green quickly for five times.
- Swipe card, and The indicator flashes yellow quickly for up to five times.
- During charging, The indicator gradually brightens, then gradually dims in green.
- Swipe card and unplug to the connector.



9. Dynamic Load Balancing

In the single charger scenario, the charger supports dynamic load balancing. By integrating a Current Transformer (CT) or a Meter or a meter & three CTs, the charger can dynamically adjust its charging power to ensure that the electrical system remains within the capacity limits and not overload.



Current Transformers (CT) and meter are sold separately. If you need these items, please contact technical support team. This is essential because a thorough commissioning is required to ensure they work seamlessly with the charger to achieve the desired functionality.

Here are the available solutions for your reference:

Product	Scenario	Associated equipment
AC7000-AE-35 AC7000-BE-35 AC7000-BE-35-T (Single-phase)	1. Total power Load in consumer unit $\leq 50A$ 2. The distance between CT and Charger $\leq 15 M$	CT*1
AC011K-AE-35 AC011K-BE-35 AC011K-BE-35-T (Three phases)	1. Total power Load in consumer unit $\leq 80A$ 2. The distance between meter and Charger $\leq 100 M$	Meter *1
	1. Total power Load in consumer unit $\leq 150A$ 2. The distance between meter and Charger $\leq 100 M$	Meter*1 CT *3

9.1 Wiring for Dynamic Load Balancing

Based on the solutions shown above, for the hardware wiring of the dynamic load balancing, please scan the QR code below.



9.2 Configuration

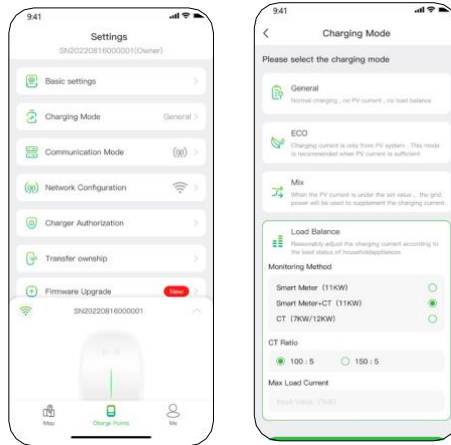
After completing the wiring of the dynamic load balancing, you need to configure in the software interface such as in App or in AP mode.

By App

Swipe down on the charging page.

Tap "Charging Mode", and select "Load balance" to make the configuration.

- CT ratio: 150:5.
- Max load current: Labelled on the property's consumer unit.



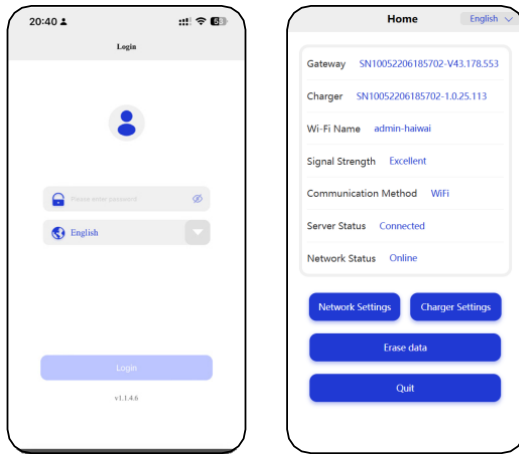
For more details of the configuration, please refer the App guide as shown in **Section 8.2**.

By AP Mode

AP mode (Access Point Mode) is a network mode. In this mode, the charger can act as a wireless access point, allowing your mobile device to connect to it wirelessly and thus access the network.

Login and access to the AP mode:

- Make sure that the WLAN is turned on.
- Power on the charger to turn on the wi-Fi hotspot of the charger.
- Locate the charger's Wi-Fi hotspot (wifi name: the serial number of the charger) in your phone's WiFi list.
- Enter the password "admin 123" to connect the charger to your phone .
- Enter the IP address 192.168.4.1 in a browser, followed by the 4-digit password: a PIN number, which can be found on the last page of this manual to access the configuration page.



In addition to the load balancing configuration, in AP mode, you also can:

- Configure network for the charger
- Switch charging mode
- Configure Eco Mode and EMS mode
- Maintain this charger
-

For more details, please scan the QR code below.



10. Indicator

Indicator color	EV charger status	Indicator status
Green	Standby	Cycle: Slow flashing: on for 1 s, then off for 3s.
	Charging initiated, awaiting vehicle response	Cycle: Rapid flashing: on for 200ms, then off for 1000ms, followed by a 3000ms off.
	Charging connector plugged in, ready for Charging	Cycle: Rapid flashing: on for 200ms, then off for 1000ms, followed by a 3000ms off.
	Charging in progress	Cycle: gradually brightens, then gradually dims, on for 1 s, off for 1s.
	Charging completed	Steady green.
Yellow	No Network/Not Connected to Server	Cycle: The green light is on for 1 s, followed by the yellow light on for 1 s, then off for 3s.
	Bluetooth lock	Cycle: Flashing: on for 4s, then off for 1 s.
	Scheduled charging in Bluetooth mode	Cycle: Rapid flashing: on for 2s, then off for 2s.
	Insufficient Power Allocated, Pausing Charging	Cycle: Rapid flashing : on for 200ms, then off for 1000ms, followed by a 3000ms off.
	Card Identified Successfully	Cycle: Rapid flashing: The indicator light is on for 100ms, then off for 100ms, with a maximum of 5 repetitions.
	Charger Reserved (Occupied)	Rapid flashing: on for 2s, then off for 2s
	Alarm	Steady yellow.
White	Program is upgrading	Cycle: Rapid flashing: on for 200ms, then off for 1000ms, this pattern repeats five times, followed by a 3000ms off.
	Power-On Self-Test	Cycle: Breathing light: Gradually brightens, then gradually dims, on for 1s, off for 1s.
Red	Faulty	Steady red, flashes red, alternating red & yellow

11. Troubleshooting

11.1 Troubleshooting Common Faults

Symptom	Possible Cause	Solution
The indicator is off	The upstream input power is abnormal.	Check the upstream input power cable
	The upstream RCBO is abnormal	Check the upstream RCBO. If the RCBO is faulty, replace it
	The AC power cable is abnormal (damaged, loosely connected, or other connection faults).	Check the cable
	The charger is faulty.	Contact technical support
The indicator is steady red or flashes red	The AC input power cable of the charger is loose, damaged, or incorrectly connected to the power distribution box.	Reconnect the cable as required
	The charger socket is faulty.	Contact technical support.
	The charging connector cable is damaged or abnormal.	Replace the charging connector
	There is a risk of current leakage.	Switch off the upstream RCBO and power on the charger 5 seconds later
	Other causes	If the fault persists after the restart, contact technical support
The indicator flashes red and yellow alternately	The voltage or frequency of the grid is unstable	Please try again 10 minutes later

11.2 Troubleshooting Technical Faults

Indicator color	EV charger status	Indicator status	Solution
Red	Relay adhesion	Steady red	Please contact after-sales
	Leakage current fault	Cycle: on for 500ms, then off for 500ms once, followed by 3s off.	
	CP fault	Cycle: on for 500ms, then off for 500ms, twice; followed by 3s off.	
	Overcurrent fault	Cycle: on for 500ms, then off for 500ms, 3 times; followed by 3s off.	
	Reverse polarity fault	Cycle: on for 500ms, then off for 500ms, 4 times; followed by 3s off.	
	Leakage current loop anomaly (self-check)	Cycle: on for 500ms, then off for 500ms, 5 times; followed by 3s off.	
	Input terminal overheat fault	Cycle: on for 500ms, then off for 500ms, 6 times; followed by 3s off.	
	Relay Overheat	Cycle: on for 500ms, then off for 500ms, 7 times; followed by 3s off.	
Red + Yellow	Undervoltage fault	Cycle: on for 500ms, then off for 500ms, 9 times; followed by 3s off.	Please try again 10 minutes later
	Overvoltage fault		
	Overfrequency fault	Cycle: yellow on for 2s, followed by the red flashing once (on for 500ms, off for 500ms), then 3s off.	
	Underfrequency fault		
	Smart meter communication failure	Yellow on for 2s, followed by the red flashing 4 times (on for 500ms, off for 500ms), then 3s off.	Please contact after-sales
	Current transformer (CT) anomaly	Yellow on for 2s, followed by the red flashing 5 times (on for 500ms, off for 500ms), then 3s off.	

Red + Yellow	Charging connector lock anomaly	Yellow on for 2s, followed by the red flashing 6 times (on for 500ms, off for 500ms), then 3s off.	Please contact after-sales
	Charging connector current anomaly	Yellow on for 2s, followed by the red flashing 7 times (on for 500ms, off for 500ms), then 3s off.	
White	BOOT security verification failed or security chip is malfunctioning	Flashing white : on for 200ms, then off for 1000ms twice, followed by 5000ms off.	
	The charger in a Disabled state	Steady white	

12. Routine Maintenance

Chargers do not need special maintenance. You are advised to check and clean the enclosure of the charger and accessories such as the charging connector every six months.

Check whether the charger and cables are damaged.

Use a dry cloth to clean the surface of the charger. Do not spray water directly on the charger.



Do not use corrosive cleaners, glass cleaners, or organic solvents.

13. Storage and Transportation

Chargers should be transported in the original packages. Do not place other objects on the top of the charger.

Before transportation, store the product in a clean, dry, and well ventilated place with a relative humidity of not more than 80% and free from corrosive gases.

The environmental specifications for storage and transportation shall not go beyond those specified in the Technical Specifications.

14. Disassembly

Only authorized and qualified electricians are allowed to disassemble the product.

Power off the charger before disassembling it. Disassemble a charger in the reverse order of installation.

15. Disposal/Scrapping

The product should be disposed of at recycling points for electronic equipment. Dispose of the product in a correct and environmental friendly manner in compliance with local laws and regulations.

Electronic devices cannot be disposed of as household waste.

PIN CODE

