



# Installation & Operation Guide

## DC030K & DC040K

English

**MALMBERGS**  
BE BRIGHTER

V.1

# Table of Contents

<b>1.</b>	<b>Safety.....</b>	<b>2</b>
<b>2.</b>	<b>Unpacking.....</b>	<b>4</b>
<b>3.</b>	<b>Product Overview.....</b>	<b>5</b>
<b>3.1</b>	<b>Introduction.....</b>	<b>5</b>
<b>3.2</b>	<b>Dimensions.....</b>	<b>6</b>
<b>4.</b>	<b>Specifications.....</b>	<b>7</b>
<b>5.</b>	<b>Installation.....</b>	<b>9</b>
<b>5.1</b>	<b>Wall-mounted Installation.....</b>	<b>10</b>
<b>5.2</b>	<b>AC Input Wiring.....</b>	<b>13</b>
<b>5.3</b>	<b>Ethernet Cable &amp; SIM Card.....</b>	<b>13</b>
<b>5.4</b>	<b>Pole-mounted Installation.....</b>	<b>14</b>
<b>5.5</b>	<b>Cable Routing.....</b>	<b>16</b>
<b>6.</b>	<b>Configure Network for Your Charger.....</b>	<b>17</b>
<b>7.</b>	<b>Configure Your Charger in the Evcharge Cloud.....</b>	<b>19</b>
<b>8.</b>	<b>App Installation.....</b>	<b>20</b>
<b>9.</b>	<b>Web-based Payment.....</b>	<b>20</b>
<b>10.</b>	<b>Charging Operation.....</b>	<b>21</b>
<b>11.</b>	<b>Indicator.....</b>	<b>22</b>
<b>12.</b>	<b>Troubleshooting.....</b>	<b>22</b>
<b>13.</b>	<b>Maintenance.....</b>	<b>26</b>
<b>14.</b>	<b>Miscellaneous.....</b>	<b>32</b>

# 1. Safety

## General Safety Guidelines

- **Authorized Use Only:** Only trained personnel should operate or maintain the charger.  
Inspection Before Use: Regularly inspect cables, connectors, and charger for signs of wear or damage.
- **Weather Conditions:** Avoid charging in severe weather conditions (e.g., heavy rain, lightning storms).
- **Emergency Procedures:** Clearly post emergency contact numbers and shutdown procedures near the charger.
- **User Responsibility:** Users are responsible for their safety and the safety of others while using the charger.
- **Safety Signage:** Ensure that all safety signs are visible and comply with local regulations.

## Electrical Safety

- **Qualified Personnel:** Installation and maintenance should only be performed by qualified electricians.
- **Overcurrent Protection:** Ensure the charger is equipped with appropriate overcurrent protection devices.
- **Grounding:** Verify proper grounding to prevent electric shock hazards.
- **Voltage Rating:** Use chargers that match the EV's voltage specifications to prevent damage or malfunction.
- **Lockout/Tagout Procedures:** Implement lockout/tagout procedures when maintenance is performed on the charger.
- **Circuit Breaker Accessibility:** Ensure that the charger's circuit breaker is easily accessible in case of an emergency.

## Operational Safety

- **Proper Connection:** Ensure connectors are securely attached before initiating charging.
- **Charger Compatibility:** Verify the EV and charger compatibility to prevent damage to either device.
- **Cooling Period:** Allow the charger to cool down after use before handling or maintenance.
- **Ventilation:** Maintain adequate ventilation around the charger to prevent overheating.
- **Visual and Auditory Signals:** The charger should provide clear visual and/or auditory signals for the start, end, and any faults during the charging process.

## Fire and Hazard Prevention

- **Fire Extinguishers:** Keep fire extinguishers nearby and ensure personnel know their locations and usage.

- **No Smoking:** Prohibit smoking near EV charger to prevent fire hazards.
- **Flammable Materials:** Do not store flammable materials near the charger.
- **Fire Suppression System:** Consider installing an automatic fire suppression system near the charger.
- **Clearance Space:** Maintain a certain distance around the charger for unobstructed access and to prevent the accumulation of flammable materials.

### **Environmental Considerations**

- **Water Exposure:** Protect the charger from direct water exposure to prevent electrical hazards.
- **Temperature Limits:** Operate the charger within specified temperature limits to ensure optimal performance and safety.

### **User Guidelines**






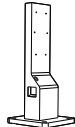








- **User Manual:** Provide users with a detailed manual outlining safety procedures and operational guidelines.
- **Training:** Conduct training sessions for users on how to safely operate the charger.
- **Emergency Stop:** Clearly mark and instruct users on how to use emergency stop features in case of malfunction or hazard.
- **Dust and Debris:** Regularly clean the charger to prevent dust and debris accumulation that could affect performance or safety.

### **Maintenance**

- **Scheduled Inspections:** Establish a schedule for regular inspections and maintenance by qualified personnel.
- **Component Replacement:** Replace damaged or worn components promptly to prevent operational issues or safety hazards.
- **Maintenance Documentation:** Keep detailed records of all maintenance activities, including dates, actions taken, and parts replaced.
- **Preventive Maintenance:** Implement a preventive maintenance program to identify potential issues before they become serious.

## 2. Unpacking

Unwrap the package to verify that all items are present and accounted for. Should there be any discrepancies, do not hesitate to reach out to us promptly.

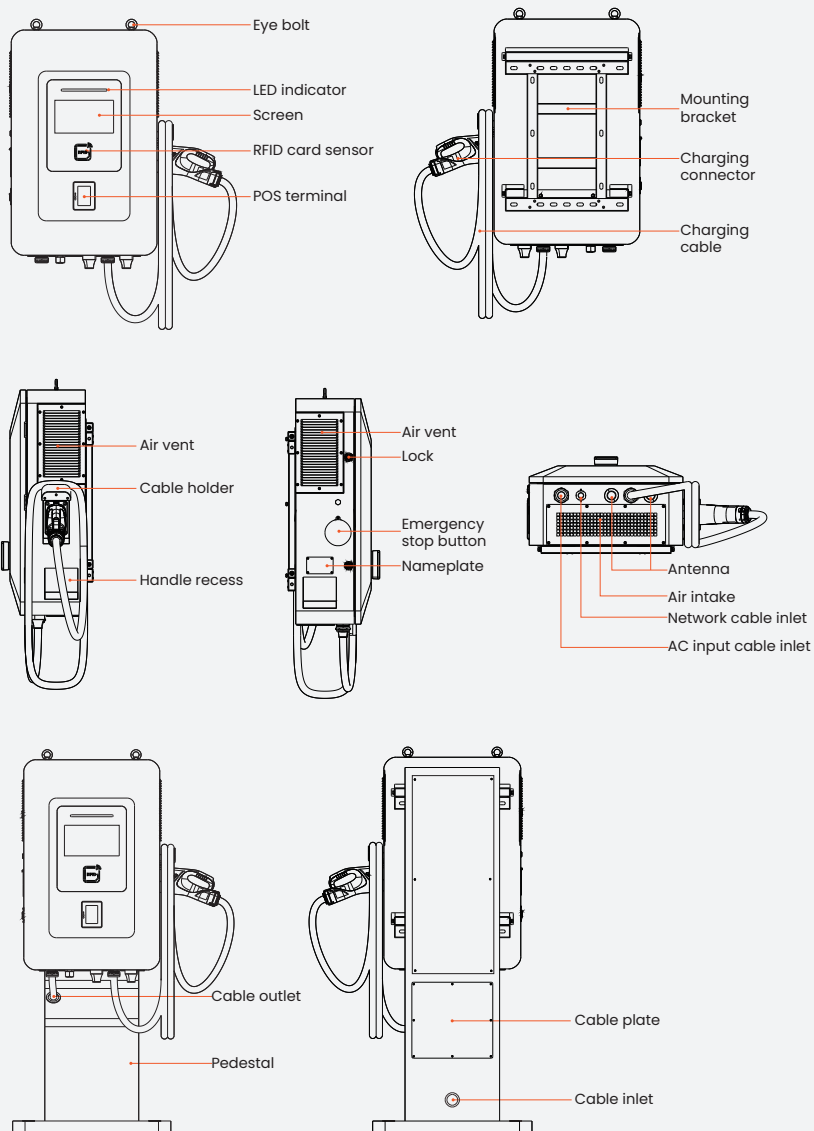
Wall mounted installation			Pole-mounted installation		
Item	Icon	Quantity	Item	Icon	Quantity
Ev charger		1	Ev charger		1
M8*60 screw		6	M8 screw		6
RFID card		2	Pedestal		1
Key		2	M10*80 screw		4
Lifting ring		2	RFID card		2
Wrench		1	Key		2
			Wrench		1
			Lifting ring		2



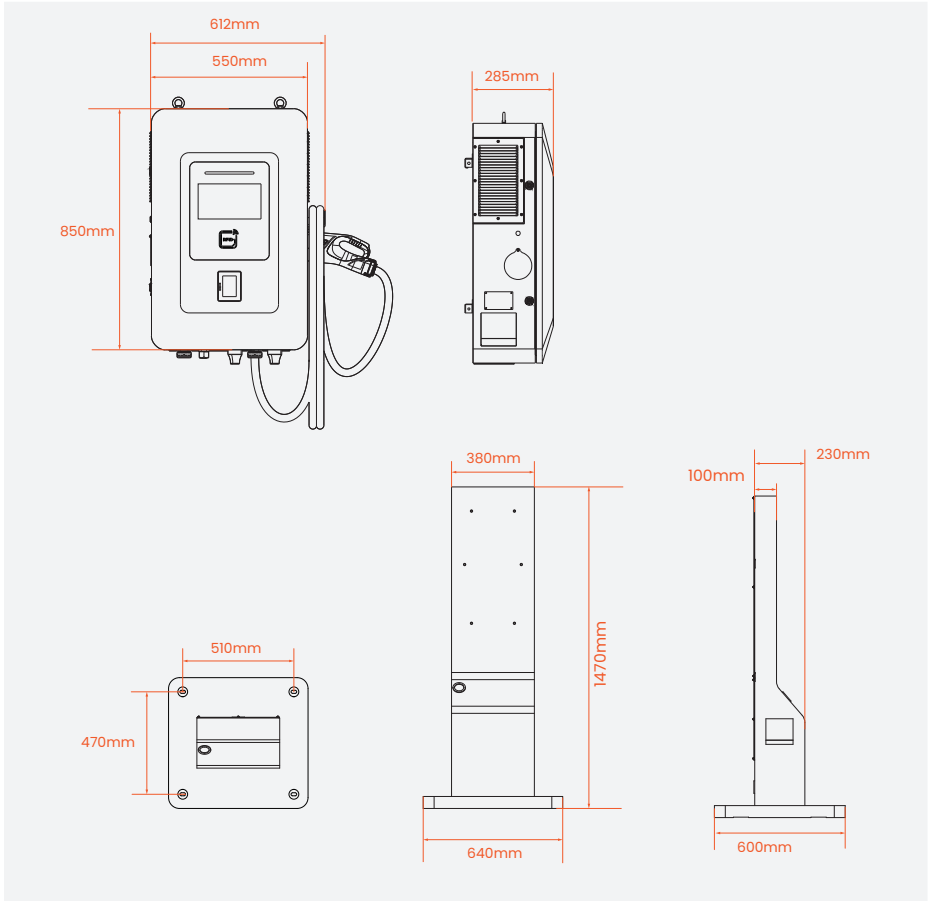
Our standard configuration includes wall-mount installation, with the pedestal being an optional accessory.

### 3. Product Overview

#### 3.1 Introduction



## 3.2 Dimensions



4. Specifications

Product Model		DC030K	DC040K
Electrical Specification	Power supply	3P+N+PE	
	Input voltage	400 V AC	
	Input current	47A	63A
	Input frequency	50/60Hz	
	Output voltage	200~1000 V DC	
	Maximum output current	100A	133.3A
	Maximum output power	30kW	40kW
Basic Attributes	Charging connector	CCS2(standard, CHAdeMo /GBT/CCSI(Customized)	
	Cable length	5m	
	Enclosure	Galvanized steel	
	Installation	Wall-mounted/Pole-mounted (optional)	
Interactive Interface	LED indicator	Green/Yellow/Red	
	LCD display	10' color touch screen	
	RFID reader	MIFARE ISO/IEC 14443A	
	Start mode	App/QR code/RFID Card/POS(Optional)	
Communication	WiFi	Standard	
	Ethernet	Standard	
	4G	Standard	
	OCPP	OCPP 1.6 Json	
Electrical Parameter	Efficiency	Max95.5%	
	Power factor	≥0.99@50%-100%Loading	
	THD	≤5%@100%Loading	
	Ripple factor	≤±1%	




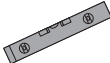







<b>Safety</b>	RCD	Type A (optional)
	Emergency stop	Yes
	Ingress protection	IP54
	Impact protection	IK10(w/o IK08)
	Electrical protection	Over current protection, Residual current protection, Short circuit protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
	Certification	CE/CB
	Certification standard	IEC 61851-1: 2017, EN IEC 61851-1:2019, IEC/EN 61851-23:2014, IEC/EN 61851-24: 2014 EN IEC 61000-6-1/-2/-3/-4, EN IEC 61851-21-2: 2021, EN 301489
<b>Working Environment</b>	Noise	≤65dB@22°C
	Working temperature	-30°C ~+60°C
	Working humidity	5%~95%
	Working altitude	<2000m
<b>Package</b>	Product dimensions	550*850*285mm(W*H*D)
	Product weight	75kg (with power module)55kg (without power module)




## 5. Installation

### Accessories Required

Item	Specification
Input power cable	For specifications, please consult the installer.
Cable lug	
Network cable	Cat 5e 24AWG*4Pairs
RJ-45 connector	8P

### Tools Required

Tool	ICON	Specificatin	Function
Electric drill		Drill bit: $\phi 12$ mm & $\phi 14$ mm	Used to create holes in the wall.
Level		1m, accuracy: 0.5mm/m	Used to determine if a surface is perfectly horizontal or vertical
Tapr ruler		10m	Used for accurate measurements of length, width, or height.
Pencil		/	Marking on the wall.
Hammer		/	Used to drive wall plugs in to holes.
RJ-45 crimping tool		Cat 5e	Used to crimp the RJ-45 connector
Wire stripper		CSA: 0.2~0.25mm	Used to used remove the insulation from electrical wires.
Electric screwdriver		PH2	Used to drive screws into wall plugs.
Cutting pliers		/	Used to cut cables and wires

Cable crimper		Crimp the cord end terminal with CSA of 25mm <sup>2</sup>	Used to crimp the AC input cable
Wrench		/	Used to loosen/ fasten the nut of anchor bolt
Knife		/	To stripe the insulation layer of the power cable

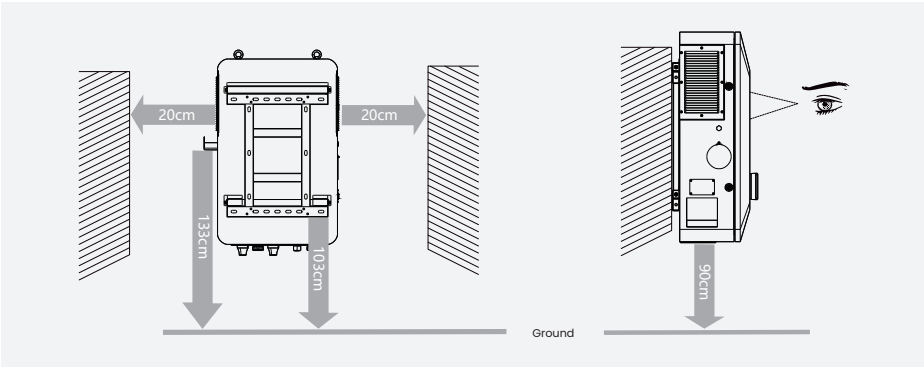


Before installation, you need to prepare the required accessories and tools on your own.

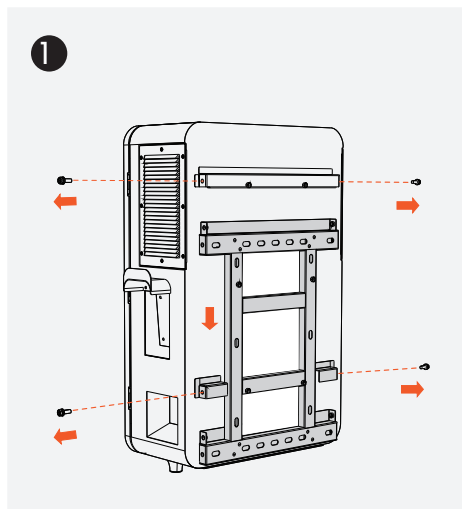
## 5.1 Wall-mounted Installation

Before setting up a wall-mounted EV charger, please verify the following:

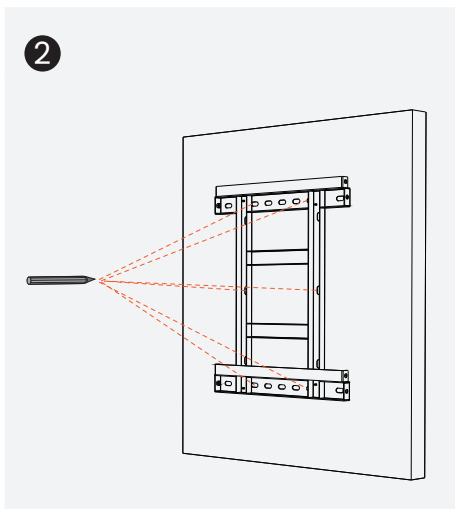
- Ensure the wall's structural integrity to bear the weight of the EV charger and any pull forces during the charging process.
- Assess the proximity of the power outlet or meter to confirm that the cable length from the power source to the EV charger is practical.
- Strategically plan the cable layout to maintain an orderly appearance and enhance safety.
- For outdoor installations or areas prone to moisture, implement suitable waterproofing and moisture protection measures.
- Since EV chargers produce heat during operation, make sure the installation site has sufficient ventilation to avert overheating.
- Provide ample space around the EV charger for ease of maintenance.



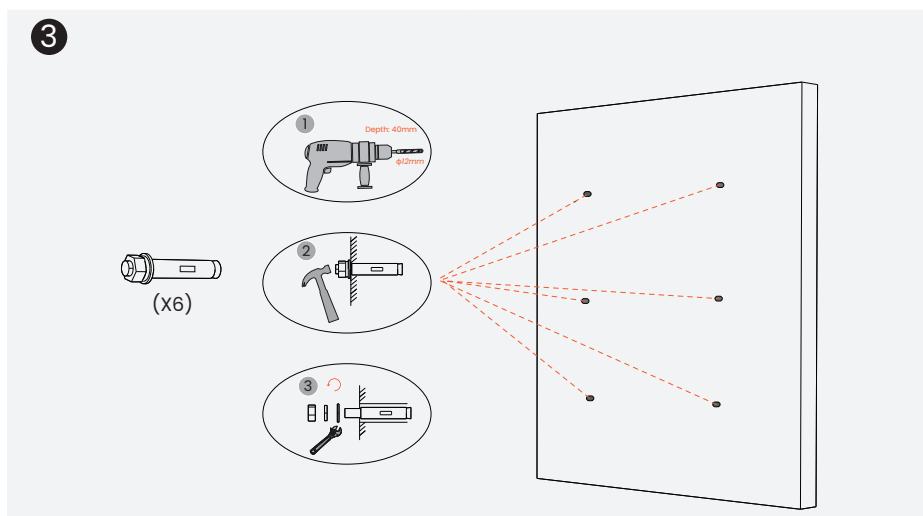
Determine the appropriate installation height.



Begin by unscrewing the four screws located on the sides of the mounting bracket. Next, delicately lower the bracket and finally, carefully remove it from its position.

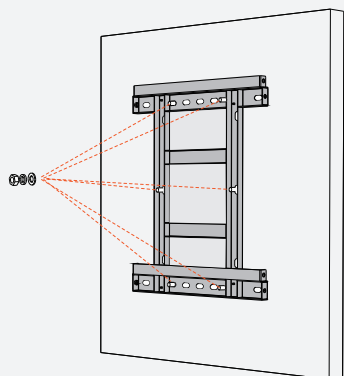


Press the mounting bracket against the wall, ensuring it is aligned both horizontally and vertically. Then, using the four holes on the mounting bracket as a reference, mark the wall with a pen at the corresponding locations.



Drill holes at the marked locations on the wall using an electric drill.  
Drive anchor bolts into the holes.  
Unscrew the nuts and washers.

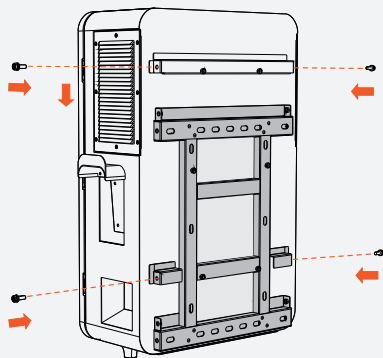
4



Pass the bolts through the six holes of the mounting bracket to suspend it on the wall.

Tighten the nuts and washers to firmly secure the mounting bracket.

5



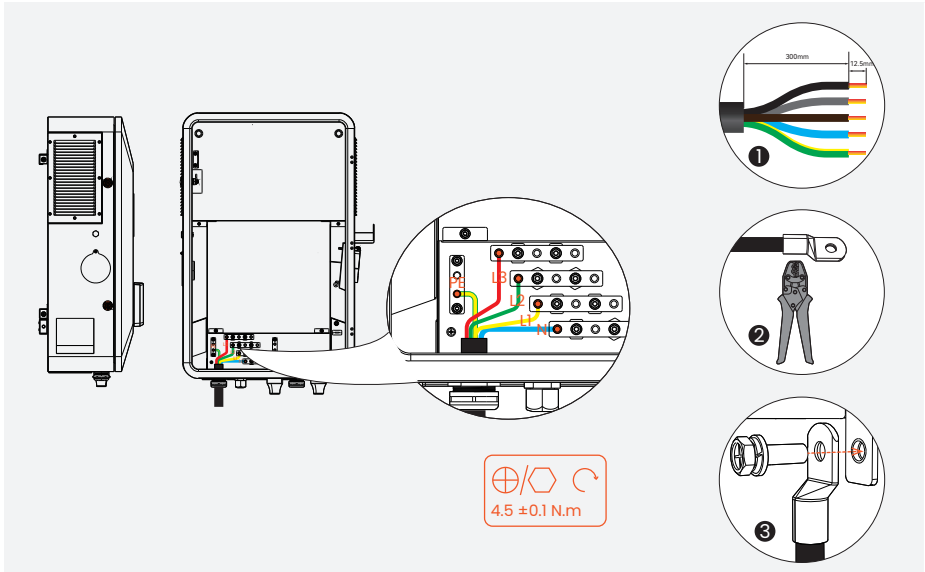
Just as you removed the mounting bracket, hang the EV charger on it.

Tighten the screws on the side of the mounting bracket to securely fasten the EV charger to it.

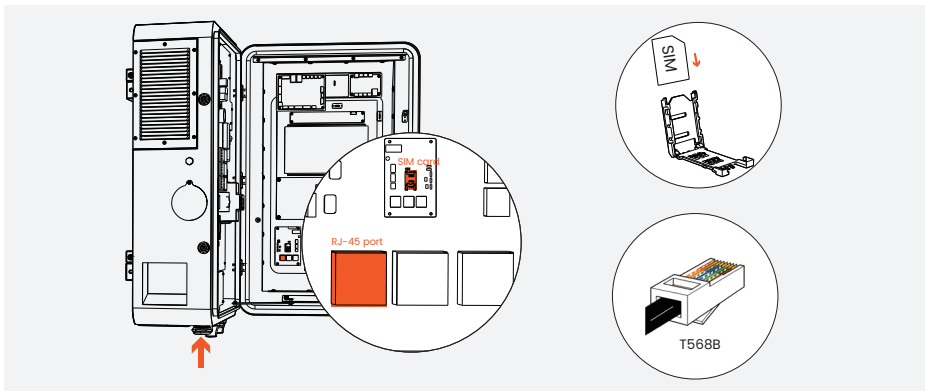
## 5.2 AC Input Wiring



Before wiring, please make sure to disconnect the power supply of the EV charger.



## 5.3 Ethernet Cable & SIM Card



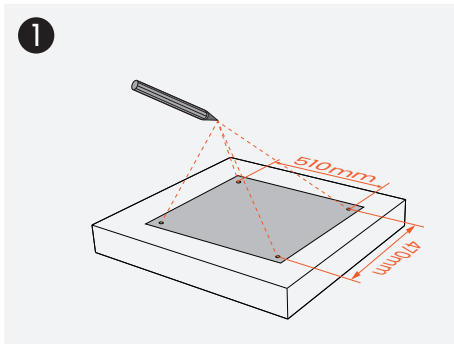
**Insert SIM card:** Begin by sliding the cover down, followed by opening it to insert the SIM card into the slot. After that, close the cover and slide it upwards.

**Connect Ethernet cable:** Locate the charger's RJ-45 port, strip the Ethernet cable to 2.3 cm, arrange and insert the wires in T568B order, crimp securely, plug in, and verify the connection.

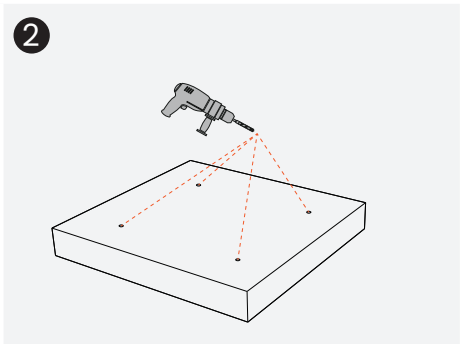
## 5.4 Pole-mounted Installation

Before carrying out a pole-mounted installation, please verify the following:

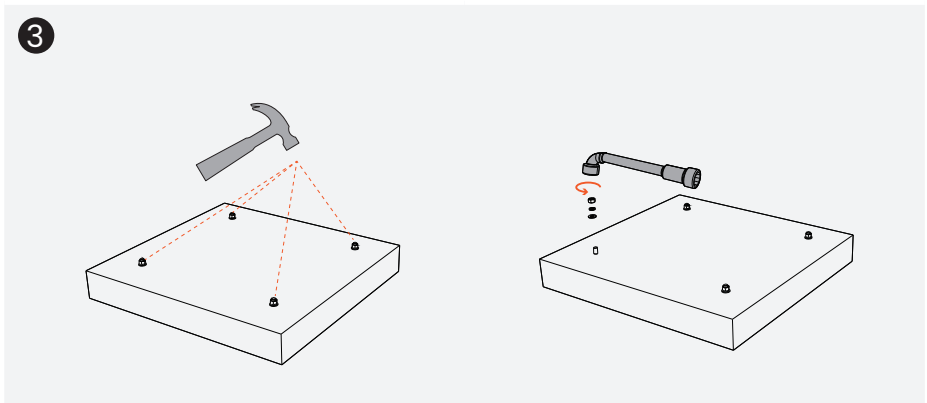
- Check if the ground at the installation site is flat and sturdy, able to bear the weight of the pole and ensure stability during operation.
- Evaluate the topography of the installation site to make sure there is no risk of being submerged due to flooding or rising groundwater, particularly in low-lying areas or regions susceptible to water damage.
- Plan the cable layout in advance.



Place the positioning diagram on the ground. Then, using the four holes on the positioning diagram as a reference, mark the ground with a pen at the corresponding locations.

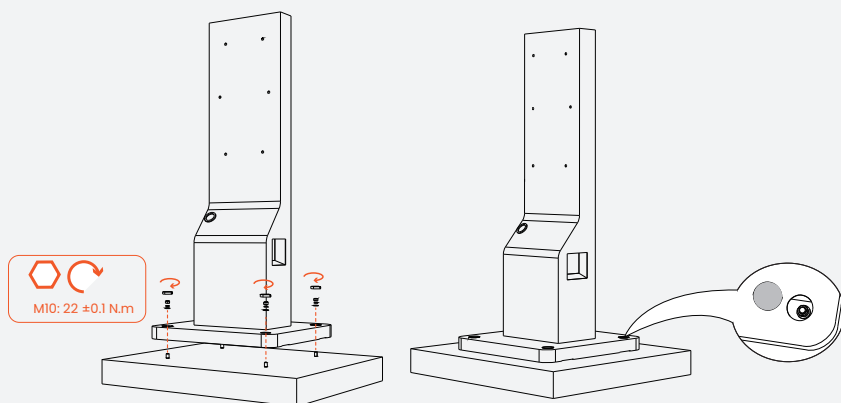


Drill four holes at the marked locations.



Carefully insert the anchor bolt into the pre-drilled hole, then proceed to detach the nuts and washers.

4



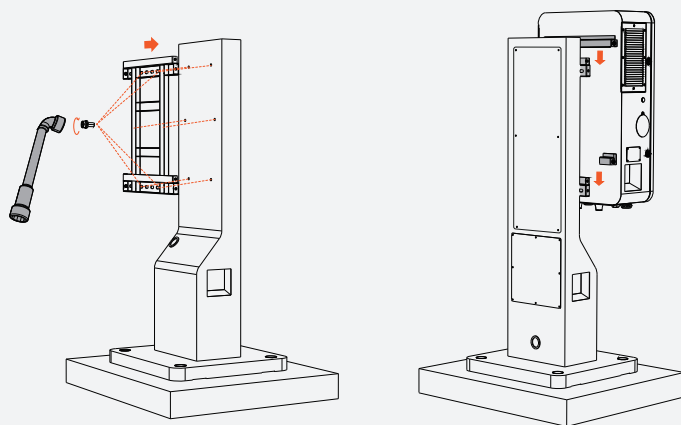
Begin by gently detaching the four waterproof covers from the pedestal's base.

Subsequently, meticulously align the four holes at the base of the pedestal with the corresponding ground-mounted bolts, ensuring a seamless fit.

After that, carefully slide the pedestal over the bolts and firmly secure it in place using the nuts and washers that were initially removed.

Finally, reattach the waterproof covers to finalize the installation process.

5



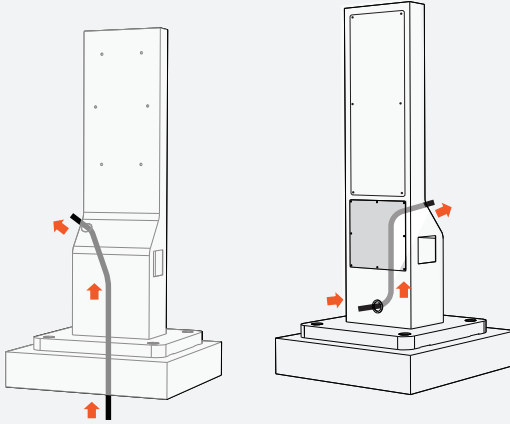
Secure the mounting bracket to the pedestal, and then hang the charger on the mounting bracket.



## 5.5 Cable Routing



Before wiring, please make sure to disconnect the power supply of the EV charger.



There are two primary methods for directing the power cable into a pole-mounted EV charger installation:

1. The cable is strategically run from underground, entering through the base of the pedestal. It then ascends and exits via the top outlet, ultimately linking securely to the EV charger.
2. The cable is strategically run from back of the pedestal, entering through the pedestal. It then ascends and exits via the top outlet, ultimately linking securely to the EV charger.

Refer to wall-mounted installation for the wiring details.

## 6. Configure Network for Your Charger

Upon completing the installation, the next step is to configure the charger's network settings to facilitate communication with other devices. The charger operates in AP mode, or Access Point mode, to manage its network setup.

- **Log In**

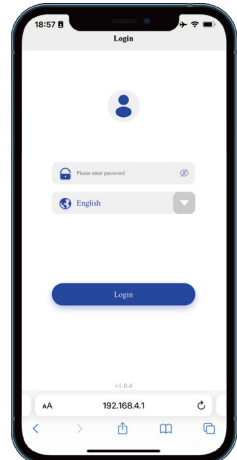
**Ensure that the Wi-Fi feature remains active.**

**Restart the charger to activate its Wi-Fi hotspot.** Please note, the hotspot is accessible for only 15 minutes after activation.

**Locate the charger's Wi-Fi network on your phone.** The network name corresponds to the charger's serial number.

**Connect to the hotspot** by entering the password: **admin123**.

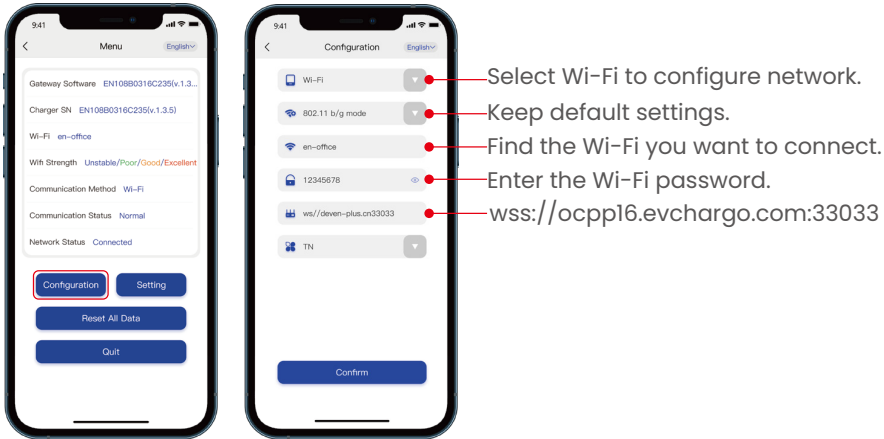
**Access the charger's Web User Interface (Web UI)** by launching a web browser and navigating to the IP address 192.168.4.1. You will then need to enter a password: **modbus crc16**.



Upon finalizing the network setup, your charger will automatically reboot, disconnecting from your phone. To prevent your phone from switching to another Wi-Fi network and losing access to the charger's settings, ensure it remains connected to the charger's hotspot before proceeding to the configuration page. This step is key for uninterrupted access to the charger's network settings.

## • Use WiFi for Communication

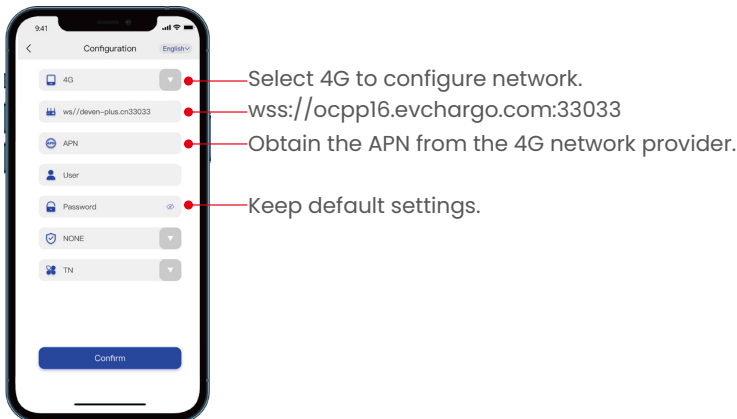
Select "Configuration" to access the settings page displayed on the right side. Adjust the parameters as indicated, then tap "Confirm" to enable your charger to communicate with other devices via WiFi.



ws://ocpp16.evcharge.com:33033 is an address that connects your charger to a cloud management platform. If you want to connect your charger to a 3rd party's platform, you can enter the URL of the 3rd party platform.

## • Use 4G for Communication

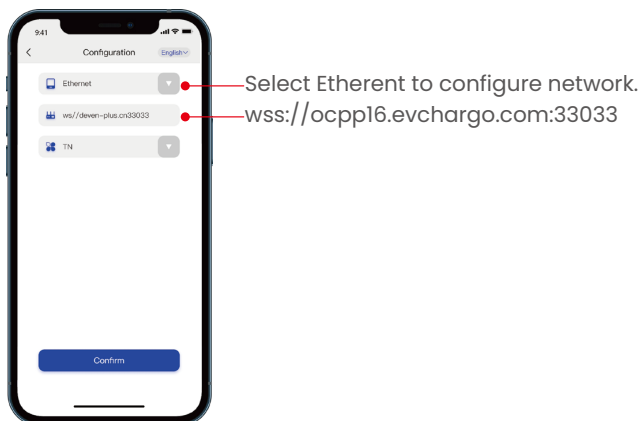
Select "Configuration" as shown above to access the settings page displayed as below. Adjust the parameters as indicated, then tap "Confirm" to enable your charger to communicate with other devices via 4G.



- **Use Ethernet for Communication**

Once you have established the hardwired Ethernet cable connection, you must also configure the settings in Access Point (AP) mode.

Select "Configuration" as shown in Section 13.1 to access the settings page displayed as below. Adjust the parameters as indicated, then tap "Confirm" to enable your charger to communicate with other devices via Ethernet.



## 7. Configure Your Charger in the Evcharge Cloud

Configuring network only allows your charger to communicate with cloud platform. You also need to configure relevant information on the platform.

If you have the Evcharge App installed, scanning the code on the charger will take you to the App. If not, it will take you to the charging web page. In this way, you can control the charging session and make payment on-line.

Evcharge Cloud is a cloud platform for business operators to meet the needs of charging stations, charger monitoring and management, as well as smart and efficient operations and maintenance.

If you are a charger operator, we will email you an account number and password for the platform after you purchase our charger and chose to use our platform. Please use the account number and password to log into the platform and scan QR code below to learn more about the platform operation.



Evcharge Cloud Instructions

## 8. App Installation

Download and install the latest app on your smartphone.

Follow the instructions on the app or scan the App instruction's QR code to complete wizard settings and parameter settings.



App download



App instructions

## 9. Web-based Payment

If you have the Evcharge App installed, scanning the code on the charger will take you to the App. If not, it will take you to the charging web page. In this way, you can control the charging session and make payment on-line.

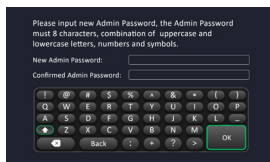
Scan the QR code below for instructions.



Instructions

## 10. Charging Operation

Once the charger has been powered up, accessing the control screen requires you to input a password initially. For the initial startup, you are prompted to establish a password, which you will then use to gain access to the interface.



### 1. Standby/Home page.

The blue indicator is steady on.

Tap  on the screen to change the language.

Tap  on the screen to see the charging tariff.

**Note:** The output power shown in the picture is merely an example; the actual situation should be taken into account for practical applications.

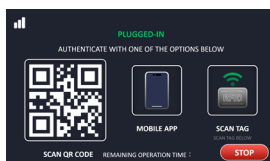
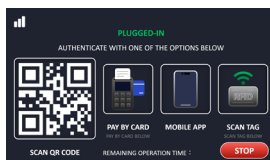


### 2. Plug the connector A in and choose the start modes (the blue indicator flashes).

Scan the QR code to start charging (with or without App).

Use a RFID card to start charging.

Use a credit card (with POS terminal) to start charging. (Optional).



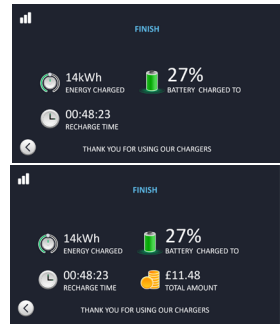
### 3. During charging session, and the charging details displayed (The blue indicator exhibits a fade-in and fade-out effect at 1-second intervals).



### 4. Make payment after the charging finished. The user can terminate the charging session by scanning the QR code or tapping the RFID card or tapping the bank card on POS terminal. (The indicator is steady blue after EV is fully charged but the connector is still plugged).



5. The payment details as shown.



## 11. Indicator

Indicator color	Indicator status	Charger status
Green	Steady blue	Available
Blue	Flashes at intervals of 500 ms	Charging connector plugged
	The indicator exhibits a fade-in and fade-out effect at 1-second intervals	Charging in progress
	Flashes at intervals of 500 ms	Charging pause
	Steady blue	Fully Charged
Yellow	Steady yellow /Flash yellow	Non-operating status
Red	Steady red/ Flashes	Faulty

## 12. Troubleshooting

Fault code	Explanation	Solution
E002	AC input overvoltage	Please contact the operations and maintenance personnel of your charging station.
E003	AC input undervoltage	
E005	AC input overfrequency	
E006	AC input underfrequency	
E008	Emergency stop button pressed	
E009	NTC teperature too low	
E052	The switch to prevent the charger from tilting has been activated	Please inspect the charger for any signs of tilting or instability. If such a condition is detected, promptly contact the operations and maintenance staff of your charging station for assistance

E054	The door magnet is malfunctioning	Please inspect the charger for any signs of door opening. If such a condition is detected, promptly contact the operations and maintenance staff of your charging station for assistance
E095	The CCU has detected that the PWM signal is inconsistent with expectations	Please attempt to remedy the situation by disconnecting and then reconnecting the charging connector. Should the issue continue, reach out to the operational and maintenance personnel at your charging station
E023	CP voltage error	Please attempt to remedy the situation by disconnecting and then reconnecting the charging connector. Should the issue continue, reach out to the operational and maintenance personnel at your charging station or get in touch with your vehicle's manufacturer for further assistance.
E024	The voltage required by BMS exceeds the rated output range of the charger	
E026	PLC communication timed out	
E033	The vehicle's contactor closed abnormally	
E034	The pre-charge voltage boost has not reached the expected level after exceeding the preset time	
E038	The temperature of the charging connector is abnormal	
E040	The pre-charge phase reveals a voltage mismatch across the output contactor terminals, an issue pertinent to GBT specifications	
E045	BMS message reply timeout	
E046	CCS BMS stop	
E047	CCS BMS message error	
E048	The temperature of the main board is too high	
E049	The temperature of the main board is too low	
E072	CHAdEMO BMS Message reply timeout	
E073	CHAdEMO BMS Message parsing error	
E074	CHAdEMO BMS detects an error and sends BST to terminate charging	
E080	GBT BMS Message reply timeout	
E081	GBT BMS Message parsing error	
E082	GBT BMS detects an error and sends BST to terminate charging	
E083	VIN code mismatch	



E015	Grounding fault	Please contact the after-sales of your charger manufacturer
E022	Meter communication error	
E027	DC contractor adhesion	
E028	The DC contractor failed to actuate	
E032	BUS voltage error of the insulation detection	
E036	DC contactor adhesion (Z group)	
E037	During the charging process, it has been observed that following the closure of the output relay, there is a discrepancy in the voltage readings across the meter, charging connector, and module, accompanied by the absence of current	
E039	The DC contactor failed to actuate (Z group)	
E041	Power module address error	
E043	The output of the power module is short-circuited	
E044	No available power module or the module communication error	
E050	No current output	
E051	Output overcurrent	
E053	DC contactor adhesion (X group)	
E055	RFID reader communication error	
E056	Screen communication error	
E057	The main control communication with the charging control board is abnormal	
E058	DC contractor refused to react (X group)	
E059	Busbar insulation resistance is less than 100 ohms per volt.	
E060	Auxiliary power error (GBT )	
E061	Output overvoltage error	
E062	Gun connection guidance error	
E063	The electricity meter has detected reverse voltage on the busbar	
E064	The input AC contactor failed to actuate	
E065	Input AC contactor adhesion	

E066	Electricity meter reading error	Please contact the after-sales of your charger manufacturer
E067	Electricity meter failure	
E068	SPD (Surge Protection Device) error	
E069	POS machine communication timeout	
E070	POS machine failure	
E071	OCPP gateway communication timeout	
E075	DC contactor adhesion (Y group)	
E076	The DC contactor failed to actuate	
E088	Power module failure	
E089	Power supply module startup timeout	
E090	Power discharge circuit error	
E091	Power module communication fault	
E092	Liquid cooling machine communication fault	
E093	Liquid cooling machine high-pressure alarm	

Although an alarm may be triggered by a charger, it will not interfere with the charging process. It is essential that maintenance personnel report the alarm details to our after-sales service team during routine maintenance to ensure the alarm is promptly addressed and resolved.

Alarm code	Explanation
A001	Load shedding following voltage anomaly
A004	Load shedding due to module over-temperature
A006	Load shedding due to charging cable over-temperature
A008	Insulation resistance alarm
A010	System fan failure

## 13. Maintenance

To ensure the performance, safety, and longevity of your charger, adhere to the following detailed maintenance and cleaning guidelines:

### Regular Maintenance Schedule

- **Daily Visual Inspection:** Check the exterior for damage or abnormalities, especially after severe weather conditions.
- **Weekly Connection Check:** Ensure all cables and connectors are secure.
- **Monthly Software Update:** Verify software is updated to the latest version.
- **Quarterly Thorough Cleaning:** Perform a detailed cleaning of the charger exterior and interfaces.
- **Annual Professional Inspection:** Have a technician inspect and perform necessary maintenance.

### Ventilation Ports and Cooling System

- Keep ventilation ports free from obstructions and debris to maintain cooling efficiency.
- Inspect cooling fans for proper function; clean with soft brushes or compressed air, avoiding fan blade contact.

### Module Bay Maintenance

- Inspect the module bay for dust or debris, and clean as necessary without damaging sensitive components.

### Environmental and Operational Safety

- Check for water intrusion or weather-related damage, especially in outdoor installations.
- Ensure all emergency stops and safety features are operational and visible.

### Cleaning the Charging Connectors

- Keep connectors clean for reliable electric vehicle connections using soft brushes or compressed air.

### User Interface and Display

- Regularly clean touchscreens or buttons with a soft, slightly damp cloth, and ensure displays are clear.

### Software and Firmware Updates

- Regularly update to maintain compatibility with EV models and enhance security.

### Record Keeping for Maintenance

- Document all maintenance activities, including inspection dates, parts replaced, and issues resolved.

### Professional Services

- Schedule regular professional checks to ensure all components are functioning correctly.

## Security Checks

- Regularly inspect for vandalism or unauthorized access and report any incidents.

## Power Supply Inspection

- Regularly check power cables and connections for wear, ensuring they meet safety standards.

## Materials to Use and Avoid:

- Use soft, dry cloths or slightly damp cloths for cleaning.
- Use specialty electronic cleaners for sensitive parts, testing first on a hidden area.
- Avoid corrosive or abrasive materials, strong chemical solvents, and materials that cause static electricity.




Only authorized personnel should perform maintenance and cleaning tasks.

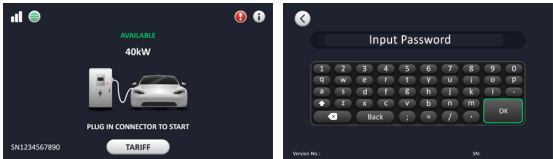
Do not attempt to disassemble the charging station without proper training, as it may damage the equipment or void the warranty.

Throughout the maintenance procedure, the maintenance and operation staff may access the local configuration interface of the charger to carry out the necessary maintenance tasks, proceeding as outlined below:

1. To access the maintenance interface:

To access the settings menu, simply tap the  icon on the standby screen and enter the default password: 12345678.

**Note:** The output power shown in the diagram is merely an example; the actual situation should be taken into account for practical applications.



2. To diagnose the charger

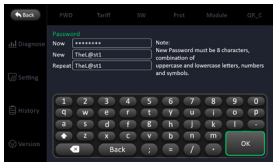
The diagnostic function is divided into four parts: Input/Output, Modules, CCU (Central Control Unit), and BMS (Battery Management System). You can perform the corresponding diagnosis by tapping the names of these sections.



3. Make settings

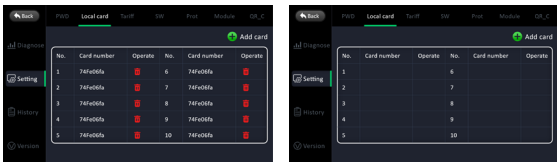
Password:

The configuration interface is secured with a password, and you are able to alter the password directly on this page.



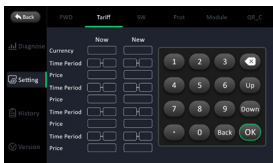
RFID card:

This charger comes with two RFID cards; if you require additional RFID cards, you can configure them locally.



Tariff:

You can set the charging tariffs locally, including the Time of Use (TOU) tariffs, and choose the currency for settlement.



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**Switch:**

**You can enable or disable some functions of this charger.**

**Online mode:** Set the charger to online or offline mode.

**ESB:** The emergency stop button offers the flexibility to be activated or deactivated at your discretion. Deactivating it ensures that accidental presses are effectively avoided.

**Micro SW:** Activate this feature, and the charger will cease charging operations the moment the door is opened, ensuring safety and preventing unauthorized access.

**Tilt SW:** Activating this feature ensures that any tilt of the charger is promptly detected and an alert is issued to facilitate timely correction.

**VIN Charge:** Activating this feature empowers the charger to instantly recognize the vehicle's universal hardware address, enabling seamless charging initiation the moment the charging connector is plugged in.

**Certificate mode:** For certification only.

**Charge receipt:** Activating this feature ensures that the charging invoice is prominently displayed on the screen the moment the charging session is completed.

**30min charge limit:** With this feature enabled, the charging duration is automatically limited to a maximum of 30 minutes, ensuring efficient and timely energy replenishment.

**Tariff display:** Activating this feature allows users to conveniently view the charging cost in an intuitive manner.

**POS charge:** With this functionality, you can selectively activate or deactivate the POS terminal for seamless communication with the charger.

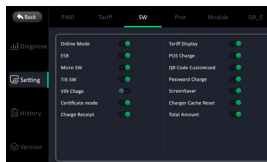
**QR Code Customized:** Activating this feature empowers you to generate relevant QR codes seamlessly when managing your chargers through a third-party platform.

**Password change:** Change the password.

**Screensaver:** Activating this feature allows you set the screen to automatically turn off following a period of inactivity, and it will gently re-awaken with just a single touch.

**Charge Cache Reset:** Activating this feature allows you clear the charging record.

**Total Amount:** Activating this feature ensures that the charging amount is prominently displayed on the screen the moment the charging session is completed.



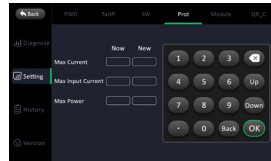
Only authorized personnel should perform maintenance and cleaning tasks.

Do not attempt to disassemble the charger without proper training, as it may damage the equipment or void the warranty.

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**Protection:**

To limit the output current and power of the charger.



To set the number of modules installed in the charger.

To limit the output current and voltage of the power module.

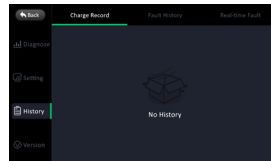


If you use a 3rd platform to manage your chargers, you can generate the specified QR code.



**4. View history**

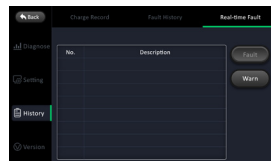
To view the charging records.



To view the fault records.

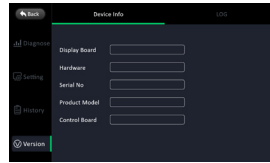


To view the real-time fault for better maintenance better.

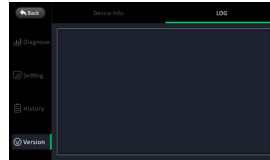


## 5. View version

To view the basic information of the charger.



To view the log of the version update.





## **14. Miscellaneous**

### **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.

### **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.

### **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.

