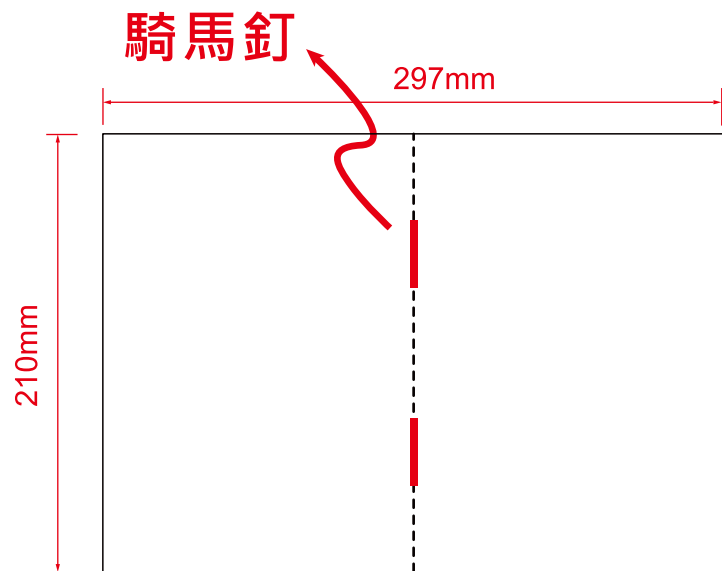
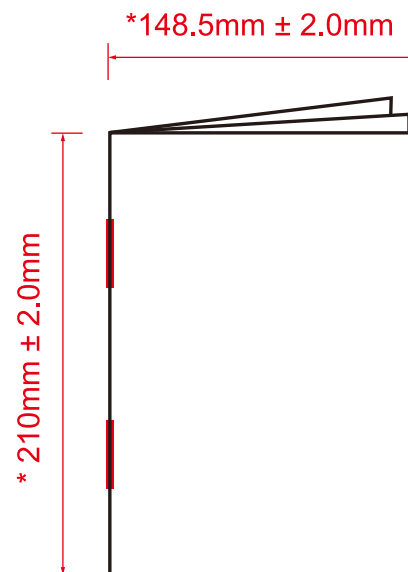


### 印刷尺寸



### 裝釘後尺寸



詳細印刷內容請參照附件

CONFIDENTIAL

APPROVED	Kent_Hsu	2022/09/27
DRAWN	Vivian_Wang	2022/09/27
THIRD ANGLE PROJECTION		

REVISIONS		
REV	DESCRIPTION	DATE
B1	CHECK & ISSUE.	2021/02/19
B2	追加Sim卡備註說明	2021/02/22
B3	優化說明書內容,詞句圖面修改	2021/07/08
B4	更新warranty	2022/09/27

### COLOR DESCRIPTIONS

ITEM	DESCRIPTION
1	白色書面紙 70G
2	黑色單色雙面印刷
3	騎馬釘裝釘

The parts must meet with the requirement of halogen free.

DWG TITLE 美規標準版說明書無Logo  
MODEL AWLU77000101P1-RW

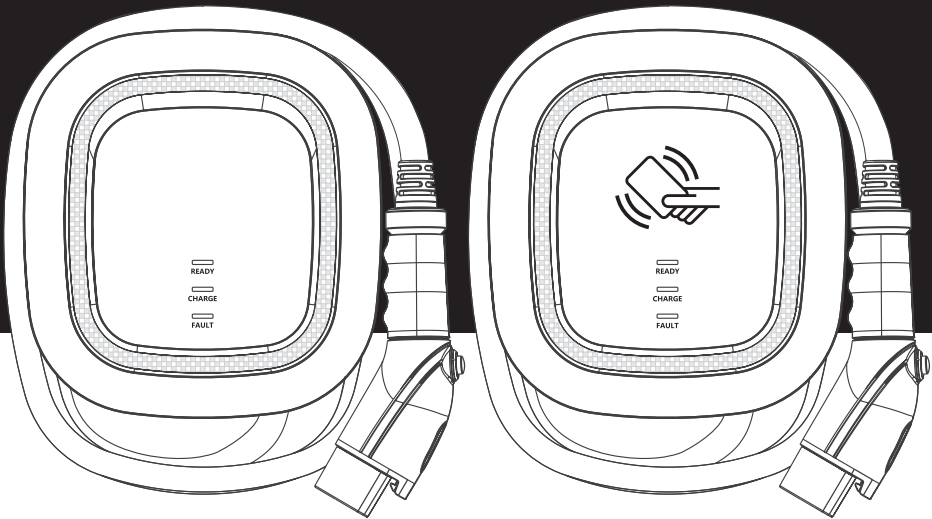
PART NO. 84A99900115-HB4

SIZE	SCALE 1/1	SHEET 1 OF 1
A4	ARTWORK TOLERANCE	
REV	<input type="checkbox"/> ±0.2mm <input type="checkbox"/> ±0.15mm <input type="checkbox"/> Others ± 0.1mm	
B4		



# Electric Vehicle AC Charger

## AW Series - User Manual



Non-Networking Edition

Networking Edition



IP55



Authorization



Management



Repairable



Outdoors

version. W84A99900115-HB4



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# 1. Important Safety Instructions

Please read all Important Safety Instructions as well as charging instructions in your vehicle owner's manual before attempting to charge your electric vehicle. Failure to do so can result in death or severe injury. Save this user manual for future reference. There are many safety features built into the charger. Read all the safety information and warnings in this manual to be avoid any risks or hazards and risks associated with using this charger.



## Warning

When using electric products, basic precautions should always be followed. This manual contains important instructions, including the following, that must be followed during installation, operation and maintenance.

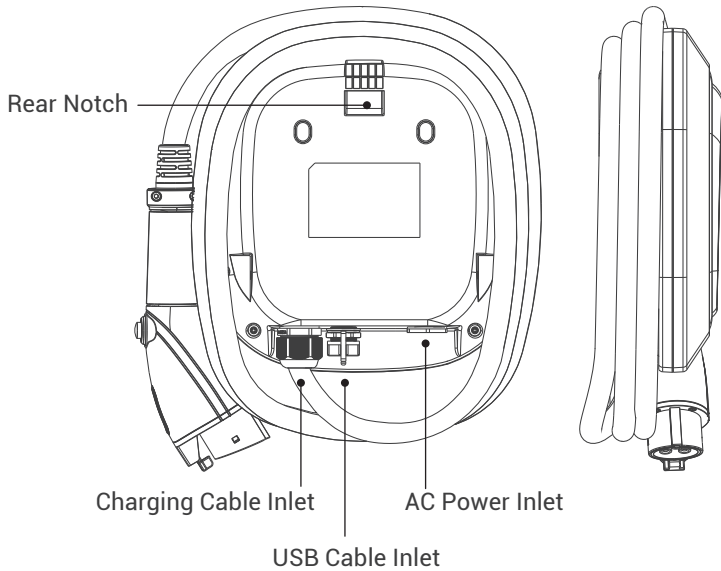
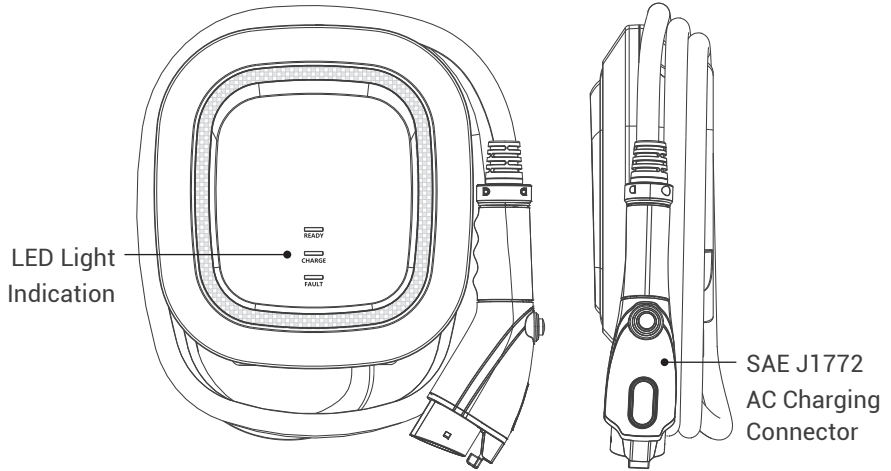
- Do not install or use the charger near flammable, explosive, corrosive, or combustible materials, chemicals, or vapors.
- Turn off the input power of the charger before performing any maintenance to the charger.
- The device is designed only for vehicles that are compatible with the SAE J1772 Level 2 charging standard.
- Do not use the charger if it is defective, appears cracked, frayed, broken or damaged.
- Do not attempt to open, disassemble, repair, tamper with, or modify the charger. Contact our Customer Service department if you have any questions or require any parts replacements or repairs.
- Do not use the charger when you are, the vehicle is, or the charger is exposed to severe rain, snow, or other severe weather.
- When transporting the charger, handle it with care and do not drag or step on the device.
- Do not touch the charging connector terminal with any sharp metallic objects to preventing damage.
- Do not forcefully pull the charging cable, damage it with sharp objects, put fingers, or insert foreign objects into any part of the charging connector.
- Risk of explosion. This device has arcing or sparking parts that should

not be exposed to flammable vapors.

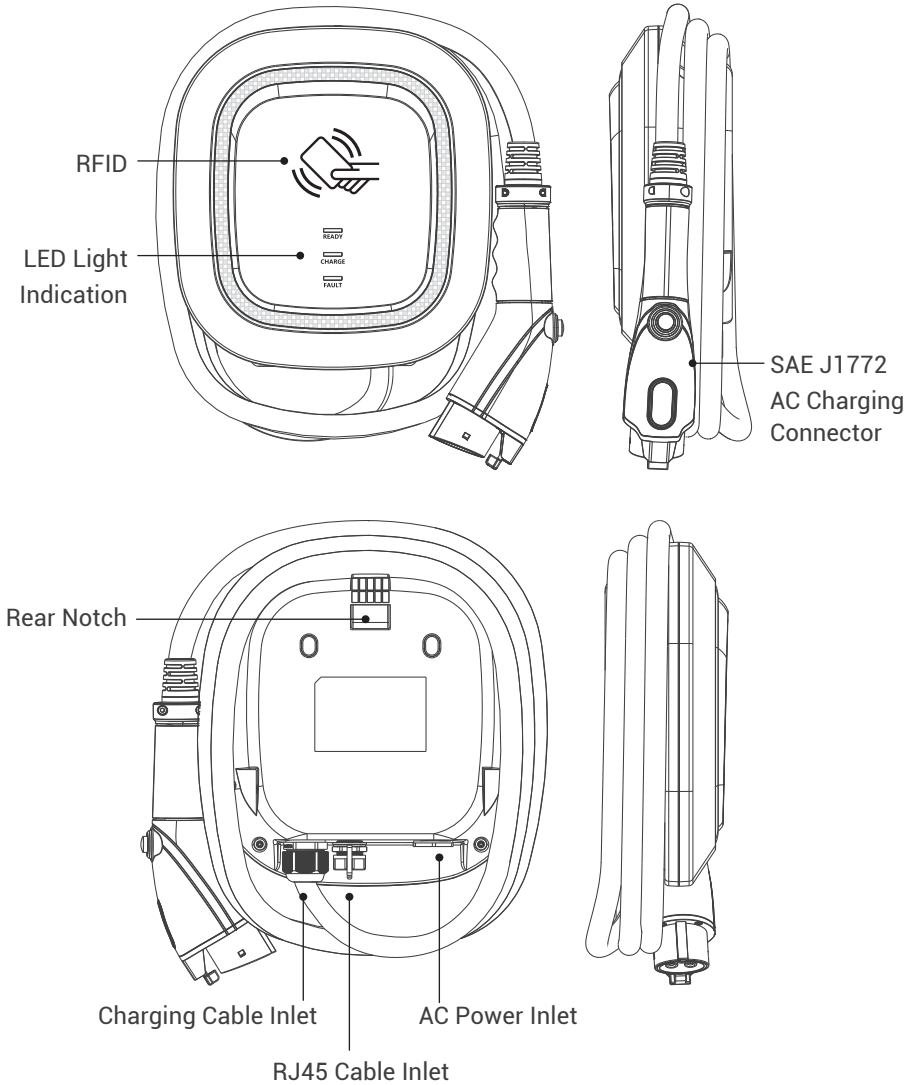
- Risk of electric shock. Do not remove cover or attempt to open the enclosure of this device. There are no user-serviceable parts inside. Contact a qualified service company if you require any service repairs.
- To reduce the risk of fire, this charger should only be connected to circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, C22.1.
- This charger should be installed, adjusted, and serviced by a qualified electrician or a person familiar with the construction and operation of this type of charger and the dangers involved. Failure to observe this precaution could result in damage to the charger or even severe injury or death.
- Incorrect installation and testing of the charger could potentially damage either the vehicle's battery and the charger. This type of damage is not covered by our warranty policy.
- Ensure that the charging cable is well-positioned during the charging process to avoid the cable getting stepped on, tripped over, or subjected to damage or stress.
- Do not use this charger with a frayed charging cable with damaged insulation or any other sign of damage.
- Ensure the wire type, diameter, current rating, and temperature rating comply with the local electrical standards and requirements in your local area.
- Before starting the installation, turn off all power.

## 2. Interface

### 2.1 Non-Networking Edition



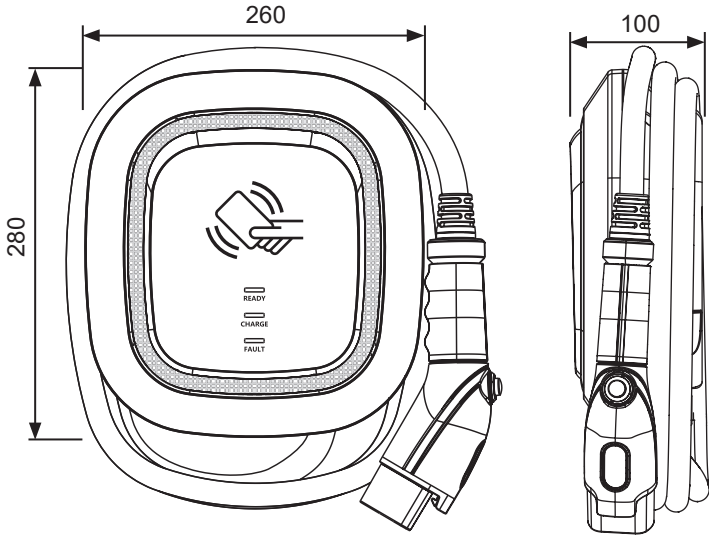
## 2.2 Networking Edition



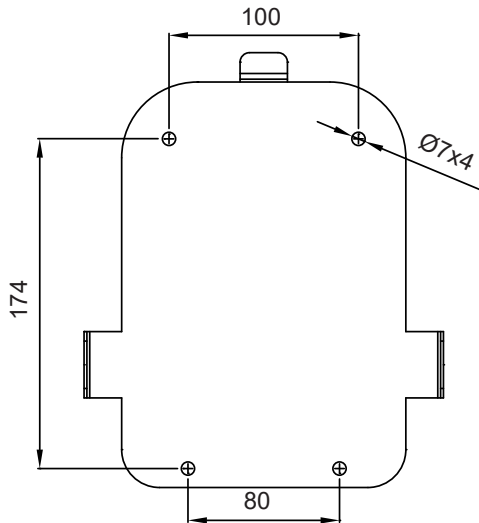


### 3. Dimensions (unit:mm)

#### 3.1 Main Size of Charger



#### 3.2 Wall-Mount Bracket



## 4. Specification

Model Name	AW32 UL Version
Rated Input Voltage	200-240 VAC / Single Phase
Rated Output Current	Single Phase / 32A
AC Power Frequency	50/60 Hz
Input Protection	UVP,OVP,RCD,SPD,Ground Fault Protection
Output Protection	OCP,OTP,Control Pilot Fault Protection
Output Interface	SAE J1772 AC Charging Connector
Storage Temperature	-40°C to + 70°C
Operation Temperature	-30°C to +50°C
Relative Operation Humidity	95%RH Maximum
Relative Storage Humidity	95%RH Maximum
RFID Authorization	Networking Version or Wi-Fi Version or 4G Version
RJ45 Cable Inlet <sup>*1</sup>	10M/100M Base-T
Wi-Fi Function <sup>*2</sup>	802.11 b/g/n
2G/3G/4G Finction <sup>*3</sup>	LTE, UMTS/HSPA(+), GSM/GPRS/EDGE
Cable Length	5M (From charger's body to lower edge of charging connector)
Protection Level	NEMA TYPE 3R
Installation Type	Wall-Mount
Altitude	≤ 2000 m
Weight	4±0.5kg
Dimensions	260mm x 280mm x 100mm
Status Indication	Red, Green, Blue LED

\*1 Networking Version or Wi-Fi Version or 4G Version

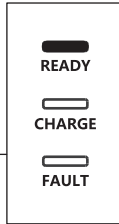
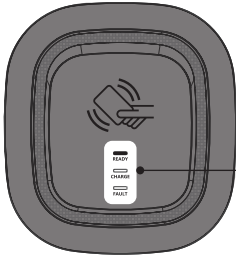
\*2 Wi-Fi Version

\*3 4G Version

## 5. Design Standard

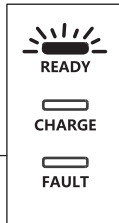
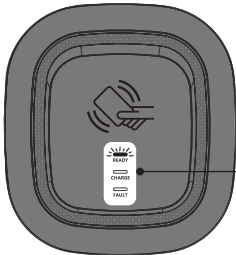
Safety standards
UL2594: Electric Vehicle Supply Equipment
UL 2231-1: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: General Requirements
UL 2231-2: Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: Particular Requirements for Protection Devices for Use in Charging Systems
UL 2251: Plugs, Receptacles and Couplers for Electric Vehicles
UL 62: Flexible Cords and Cables
UL 991: Tests for Safety-Related Controls Employing Solid-State Devices
UL 1998: Software in Programmable Components
NFPA 70 Article 625: National Electrical Code, Electric Vehicle Charging System
UL840 (Clearance and Creepage)

## 6. Status Description of the Charger Indication Lights



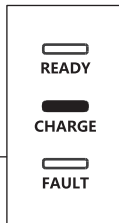
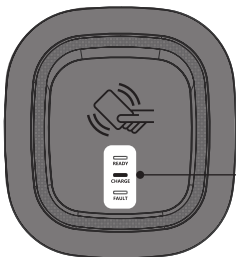
### Standby - Green Light

The **READY** light stays on during standby mode.



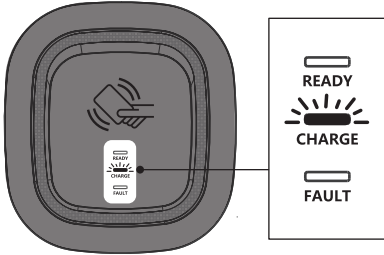
### RFID Authorization (Internet Edition)- Green Light Flashing

The Green light is flashing after the RFID is authorized.



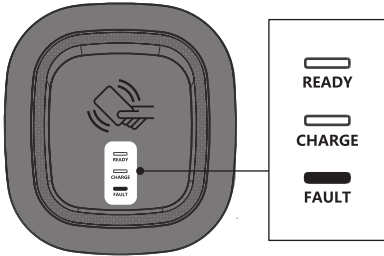
### Waiting for Charging - Blue Light

After the vehicle connector is connected to the vehicle inlet, the **CHARGE** light is constantly lit.



### Charging - Blue Light Flashing

The CHARGE light flashes while charging.



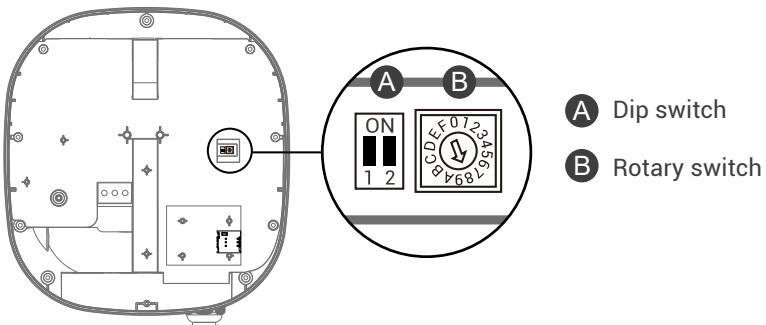
### Fault - Red Light

The red light is lit during fault. Please refer to "8.4 Error and Warning Messages" for detailed information.

# 7. Installation Instructions

## Safety Requirements

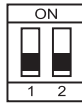
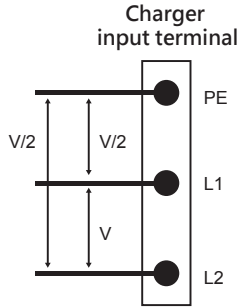
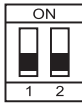
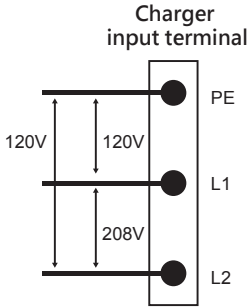
- Read this user manual thoroughly and make sure to review all local building and electrical codes are reviewed before installing the AC charger.
- A qualified technician should install the AC charger according to the user manual and local safety regulations.
- Use appropriate protection when connecting to the main power distribution cable.
- Type B, C or D breaker with the a rating current of 40Amp should be installed in the upstream AC distribution box.
- Disconnect switch for each ungrounded conductor of AC input shall be provided by others in accordance with the National Electric Code, ANSI/NFPA 70.
- Verify that the Wall Connector is properly grounded. The Ground connection must be bonded in the upstream power supply for proper operation. Check all physical connections, including the wirebox terminals, electrical panel(s), and junction boxes. In residential power supplies, check the bond between Ground and neutral at the main panel. If connected to a step- down transformer, contact the transformer's manufacturer for direction on how to bond the ground connection.



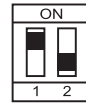
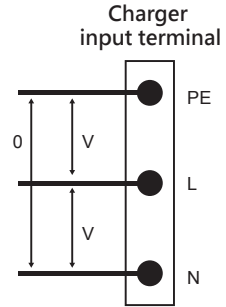
## Power Grid Connection and Grounding Type

- This AC charger supports different power grid connections and grounding types. You can configure through the setting dip switch. Setting methods are shown below.
- Before setting the dip switch, make sure the input power is turned OFF.
- Use a non-conductive object to set the dip switch.

	Switch 1 (Power Grid Type)	Switch 2 (Grounding System)
ON	LN	IT
OFF	LL	TT-TN



V=240 or 200 volt



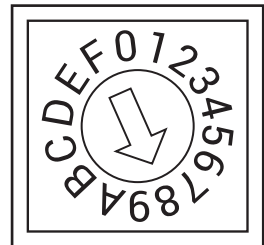
V=240 or 230 or 220 or 200 volt

- \* Note 1: The default value in North America and Japan is (LL / TT-TN).
- \* Note 2: The default value for other regions is (LN / TT-TN).
- \* Note 3: If it is not the above standard grid type, please contact our technical staff for assistance and confirmation.

### Maximum Output Current

This AC charger can support different maximum output current through the setting rotary switch. Setting methods are shown below

- Before setting the rotary switch, make sure the input power is turned OFF.
- Use a non-conductive object to set the rotary switch.

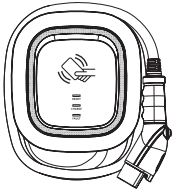


Switch Setting Number	0	1	2	3	4	5	6	7	8,9	A	B~E	F
Maximum Output Current	Test Mode	6A	8A	10A	13A	16A	20A	25A	32A	30A	Invalid Setting	Slave Mode

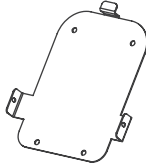
- \* Note 4: The default value for Japan is 30A.
- \* Note 5: The default value in other countries is 32A.

## 7.1 Packing List

1



2



3



4



5



6



7



8



9 RFID Version



10



No.	Product Name	Quantity	Note
1	AC Charger (With Charging Cable)	1	
2	Wall-Mount Bracket	1	
3	User Manual	1	
4	Product Certification	1	
5	Expansion Screw	4	
6	M6 Self-Tapping Screws	4	
7	M4 Screw	2	
8	M25 Cable Gland	1	
9	RFID Card (RFID Version Only)	2	
10	Needle Terminal	3	



## 7.2 Tools and Materials Required

Tools required before installing the charger onto the Wall-Mount Bracket are:

- Wire stripper
- Crimpers for terminals
- Phillips screwdriver for M4 ~ M6
- Slotted screwdriver for 4~5.5MM
- Voltmeter or digital multimeter (for measuring AC voltage at the installation site)
- The inserting cable should meet the best waterproof performance. It is recommended to use a 3 core / 8AWG or 10mm<sup>2</sup> cable (XLPE or equivalent cable) to pull the cable from the distribution box. The maximum outer diameter of the cable should be 13mm ~ 18mm.
- Level ruler
- Pencil or marker
- Machine drill

## 7.3 Wall-Mount Bracket Installation Requirements

Before installing the wall-mount bracket, you should confirm that the loading capacity of the wall can reach a weight of 36 kg. When installing on a cement wall, you can use the included expansion screw to install the bracket and use a cement drill to drill holes on the cement wall (Ø8mm) following the hole spacing in accordance with 3.2.

When installing on a wooden wall, you can directly use the included M6 self-tapping screws to install the wall-mount bracket and use the wall-mount backplane to lock and install on the wall directly.

## 7.4 AW Installation Requirements

To select the best location and position to install the wall-mount unit, you should first determine the parking position of the vehicle to ensure the charging connector can be easily inserted into the vehicle charging inlet.

The wall-mount unit should be located:

- In a well-ventilated area. Avoid installing in closed boxes or near the exothermic chargers.
- 1.2 meters or 4 feet above the floor.
- 250mm (10inches) from any obstacles to allow cables to loop around the wires and related maintenance.
- If in an enclosed garage, on the side of vehicle charging inlet.

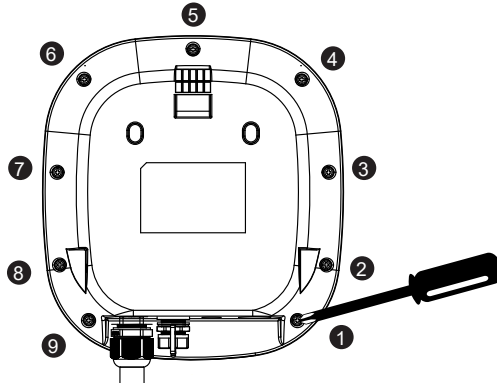
## 7.5 Installation Steps

Warning for Wi-Fi and 4G versions:

Due to different congenital environments, it is recommended to first conduct Wi-Fi and 4G module network signal tests before finalizing your settings. It is recommended that the RSSI (Received Signal Strength Indication) value should be higher than -65dBm. If it is lower than this value, it may result in a weak Wi-Fi or 4G connection or disconnection due to external interference in the area.

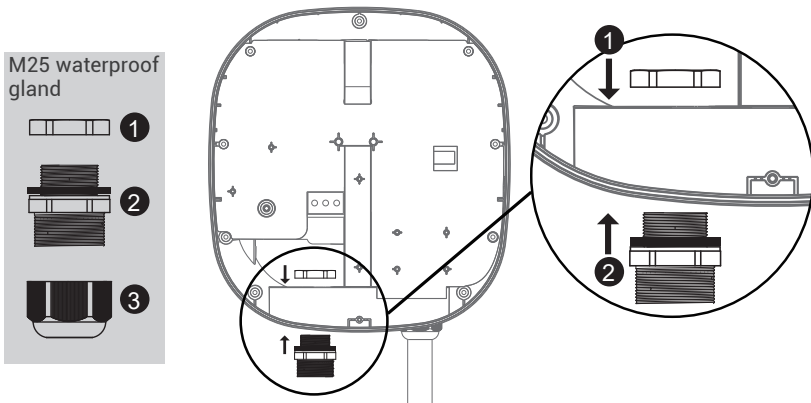
### STEP 1

Use screwdriver to loosen the 9 fixed screws on the rear of charger, then remove the front cover.



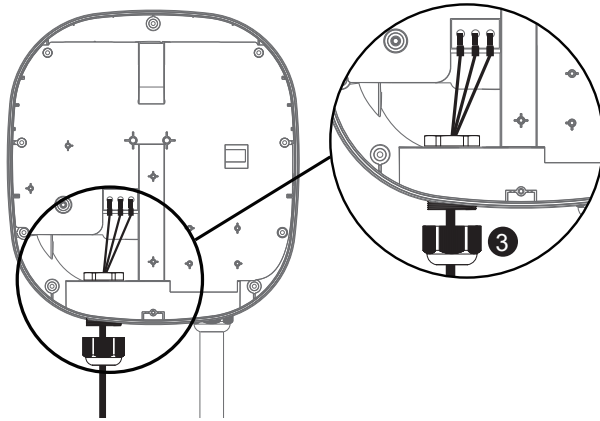
### STEP 2

Connect and Lock the M25 waterproof gland Part1 and Part2 (including the washer) to the mounting holes as shown below.



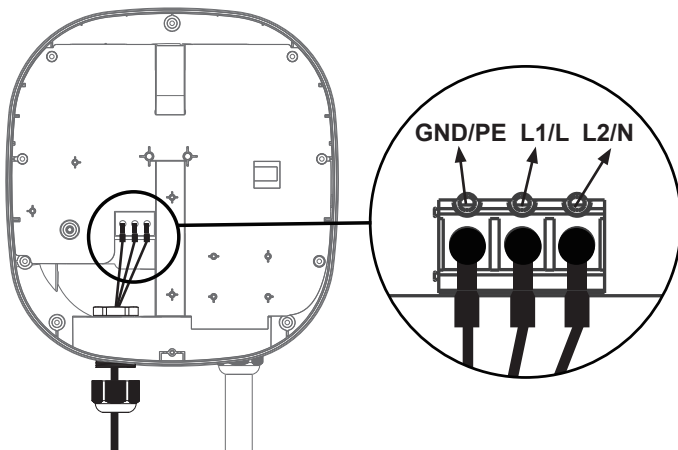
**STEP 3**

15~18mm of the insulation sheath should be stripped off the three AC wires. Take out the included needle terminal and install the needle terminal on the three GND/PE, L1/L, L2/N wires. Pass the three wires through the M25 waterproof gland Part 3.



**STEP 4**

Insert the three wires into the wire holes of the green terminal block to the corresponding GND/PE, L1/L, L2/N and lock them. The recommended screw torque is 1.5 N.m (13.3 lbf.in).

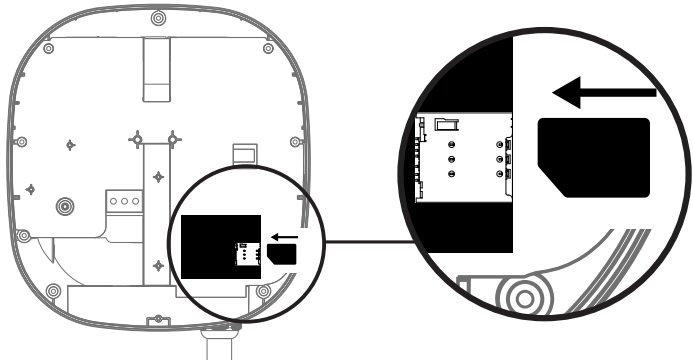


## STEP 5

(For Internet Edition model with 4G function)

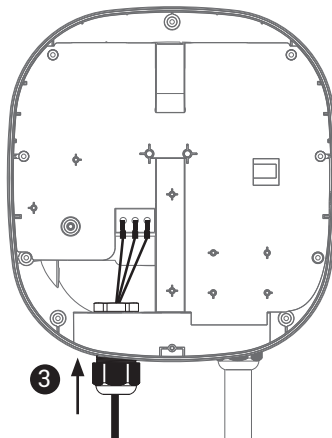
The SIM card slot is located on the right side. Insert the SIM card according to the image below.

**Important Note:** Before installing the SIM card to the charger, it is necessary to confirm that the SIM card has been activated and the password has been cancelled.



## STEP 6

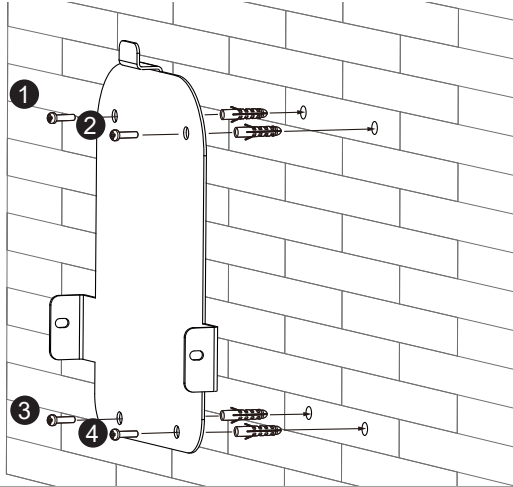
Upon completion, lock the M25 waterproof gland Part 3, and affix and tighten the 9 screws on the front cover. The recommended screw torque is 0.7 N.m (6.2 lbf.in)



## 7.6 Wall-Mount Bracket Installation

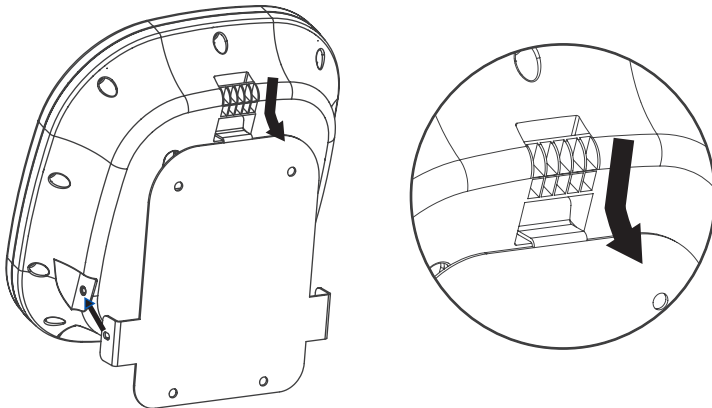
### STEP 1

Use the 4 sets of expansion and M6 screws to attach the wall-mount bracket on the wall



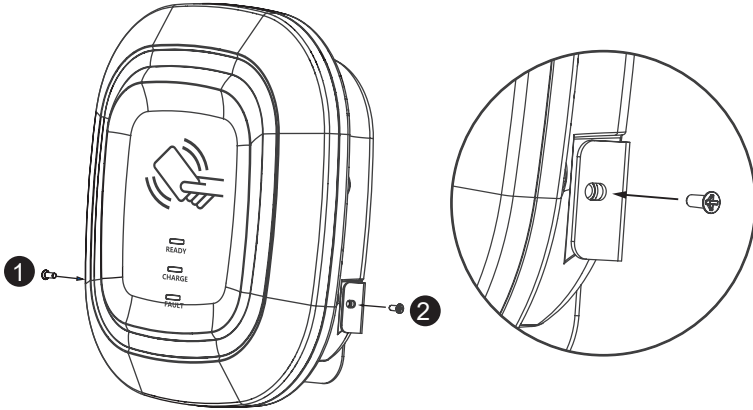
### STEP 2

Align the rear notch of charger into the wall-mount bracket and align the screw holes of the right and left sides.



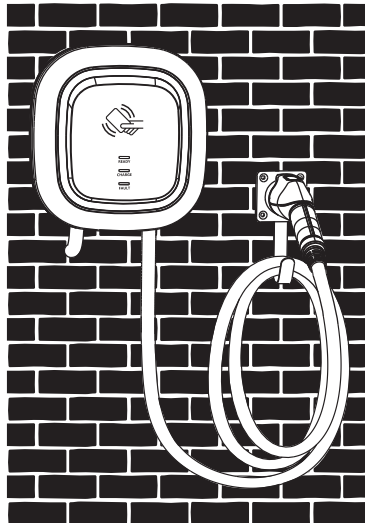
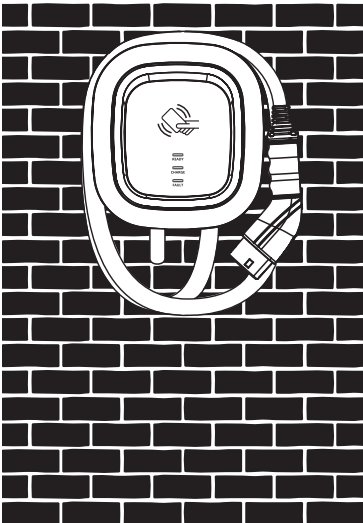
**STEP 3**

Attach with the M4 screws to complete the installation.



**Overall outlook picture after installation:**

- Wall-mount cable winding
- With Optional Cable Hook (optional accessory)

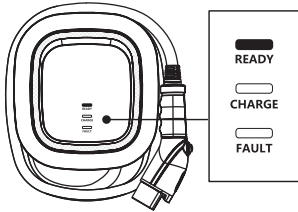


## 8. Operating Instructions

### 8.1 Operating Procedures

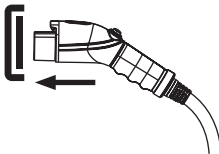
- User authorization (Only for Internet Edition)
- Connect to Vehicle Charging Inlet
- Charging Message
- Charging completed

### 8.2 Operating Steps – Non-Networking Edition



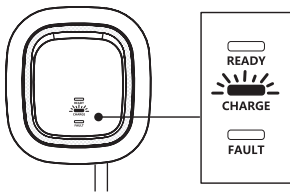
#### STEP1 / Standby Mode

After power-on, the green (READY), blue (CHARGE), and red lights (FAULT) will all temporarily light up. The charger will then enter standby mode, and the green light (READY) will remain lit. This could take up to 90 seconds.



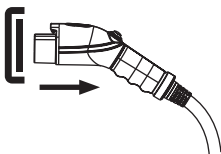
#### STEP2 / Connection to Vehicle Inlet

Plug the charging cable into the vehicle charging inlet. The blue light (CHARGE) is constantly lit.



#### STEP3 / Charging

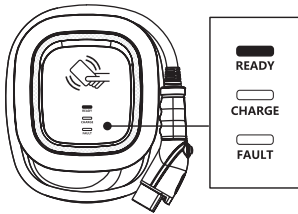
When the blue light (CHARGE) starts to flash automatically, the charging process has begun.



#### STEP4 / Charging Finished

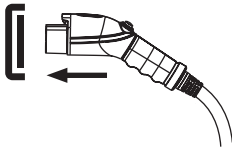
When the charging session is complete, the blue light (CHARGE) will remain lit. Press the button to stop charging.

## 8.3 Operating Steps – Networking Edition



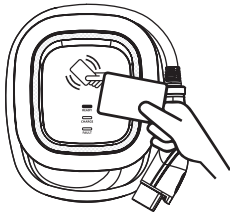
### STEP1 / Standby Mode

After power-on, the green (READY), blue (CHARGE), and red lights (FAULT) will all light up. The charger will then enter standby mode, and the green light (READY) will remain lit. This could take up to 90 seconds.



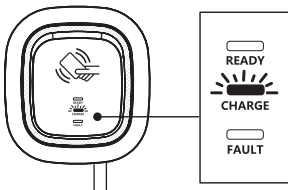
### STEP2 / Tap the RFID Card

Plug the charging connector into the vehicle charging inlet. If you tapped the RFID card first, you will need to complete the insertion of the charging connector within 180 seconds. Otherwise, you will need to tap the RFID card again.



### STEP3 / Tap the RFID Card

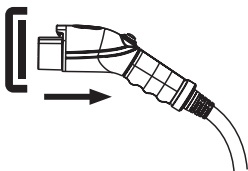
Tap the RFID card to start the charging session.



### STEP4 / Charging

The blue light (CHARGE) automatically flashes during the charging session.

- If the red light (FAULT) is lit, proceed to plug the vehicle connector again.
- If the red light is still lit, please refer to "Error and Warning Messages".



### STEP5 / Charging Finished

When the charging session is complete, the blue light (CHARGE) will stay lit. Press the button on the connector to stop the charging session.



## 8.4 Time setting (Networking, Wi-Fi and 4G Editions)

### Automatic setting :

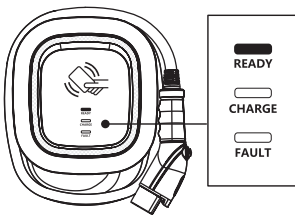
The time will be adjusted automatically when the charger connects to internet.

Time Server :

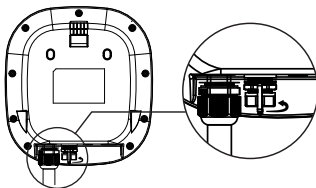
- [time.windows.com](http://time.windows.com)
- [cn.ntp.org.cn](http://cn.ntp.org.cn)
- [tock.stdtime.gov.tw](http://tock.stdtime.gov.tw)

Note: The Firewall and network environment may influence the time server connection.

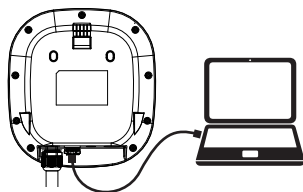
### Manual setting :



**STEP1/** After power-on, the green (READY), blue (CHARGE), and red lights (FAULT) will all light up. The charger will then enter standby mode, and the green light (READY) will remain lit. This could take up to 90 seconds.



**STEP2/** On the bottom of the unit, you will find the RJ45 connector port knob. Turn the knob counterclockwise as shown on the left to open and access the RJ45 female connector.



**STEP3/** Connect the RJ45 cable to the charger. Connect the RJ45 cable to the notebook.

Use the following IP address:

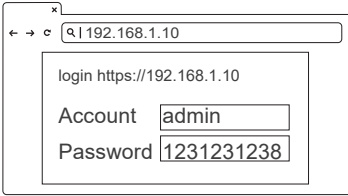
IP address:

Subnet mask:

Default gateway:

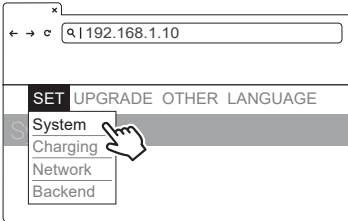
**STEP4/** Change the IP Address on your laptop computer by accessing the network card settings. Change the TCP / IP automatic IP to fixed IP.

- IP Address: 192.168.1.1
- Subnet Mask: 255.255.255.0

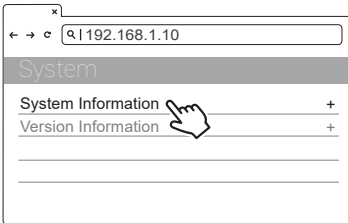


**STEP5/** Open a browser and enter IP Address 192.168.1.10 to login into the setup page. Use the following credentials to login.

- Account: admin
- Password: 1231231238

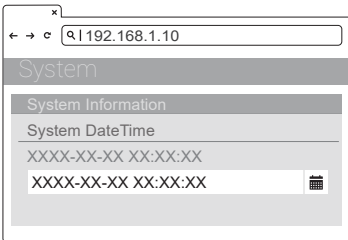


**STEP6/** Select "SET" at the top of the webpage to enter the settings page. Select "System" to enter the System settings page.



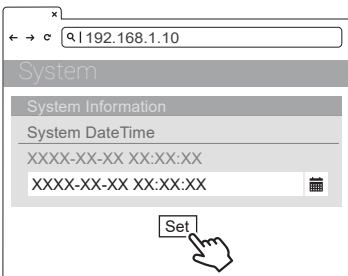
**STEP7/**

- Click "System information".



**STEP8/**

- Click System DateTime.
- Click the calendar graphic on the right to set the current time.



**STEP9/** After you update the settings, click SET and wait until the setting completion window appears.

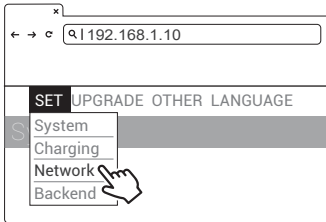
- For the Networking Edition, restart the charger.
- For Wi-Fi and 4G versions, continue to step 8.5 or 8.6 to complete the settings process.

## 8.5 Wi-Fi Setup (for the optional Wi-Fi Edition)

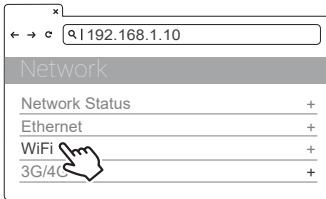
Tools required before setting

- Notebook with RJ45 interface x 1
- One RJ45 cable connector is male to male x1

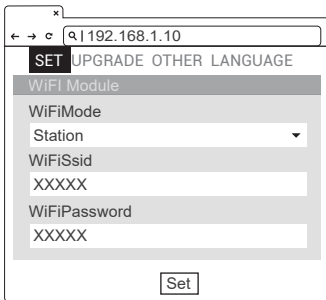
### Wi-Fi Setting



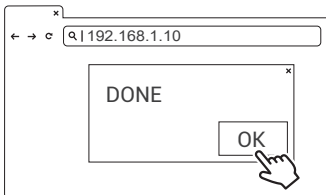
**STEP1/** Select "SET" at the top of the webpage to enter the settings page. Select "Network" to enter the network settings page.



**STEP2/** Select Wi-Fi to enter the Wi-Fi Module settings page.



**STEP3/** Keep the Wi-Fi Mode set to "Station" and enter the Wi-Fi SSID name and the Wi-Fi password. Save settings by selecting SET.

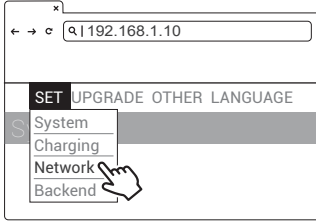


**STEP4/** After completion, click SET and wait until the setting completion window appears. Restart the charger.

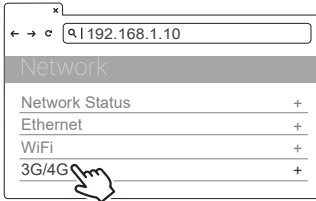
- For other settings (such as OCPP, etc.), please contact our professional staff.

## 8.6 4G Setup (for the optional 4G Edition)

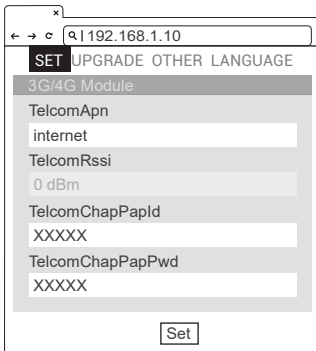
**Attention:** Before installing the SIM card to the charger, it is necessary to confirm that the SIM card has been activated and the password has been cancelled.



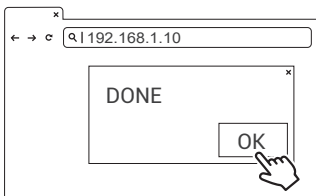
**STEP1/** Select "SET" at the top of the webpage to enter the settings page. Select "Network" to enter the network settings page.



**STEP2/** Select 3G/4G module to enter the 4G settings page.



**STEP3/** Enter the Carrier APN and then click "OK." Wait for the page to refresh. The page should now show RSSI, and the Network Connection "Status" should show "Connected."

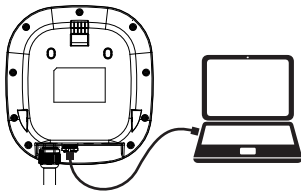


**STEP4/** After completion, click SET. Wait for the setting completion window to appear. Click "Confirm" to finish the setting. Restart the charger.

\*For other settings (such as OCPP, etc.), please contact our professional staff.

## 8.7 Re-checking the Wi-Fi and 4G Signal Strength on Power-Up.

After restarting the charger, check the connection signal strength. The RSSI (Received Signal Strength Indication) should be higher than -65dBm. If the value is lower, you may experience a weak Wi-Fi signal connection or even disconnection. The cause could be interference.



**STEP1/** Connect the RJ45 cable to the charger. Connect the RJ45 cable to the notebook.

Use the following IP address :

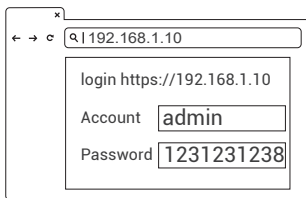
IP address:

Subnet mask:

Default gateway:

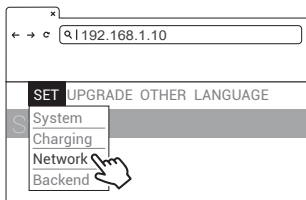
**STEP2/** Change the IP Address on your laptop computer by accessing the network card settings. Change the TCP / IP automatic IP to fixed IP.

- IP Address:192.168.1.1
- Subnet Mask:255.255.255.0

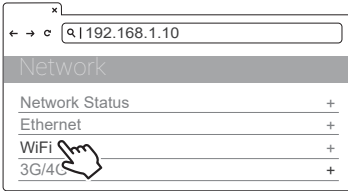


**STEP3/** Open a browser and enter IP Address 192.168.1.10 to login into the setup page. Use the following credentials to login.

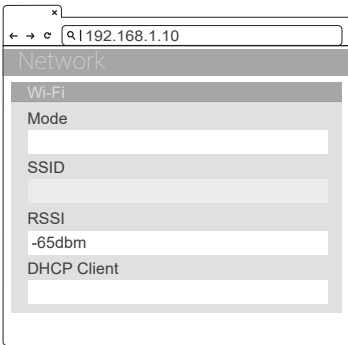
- Account: admin
- Password: 1231231238



**STEP4/** Select "SET" at the top of the webpage to enter the settings page. Select "Network" to enter the network settings page.

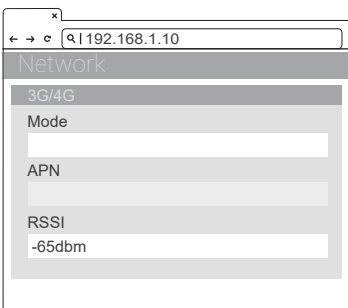


**STEP5/** Select the Wi-Fi and 3G/4G module to enter the setting.



**STEP6/ (Wi-Fi Version)**

- Make sure the Wi-Fi strength is higher than -65dbm.



**STEP6/ (4G Version)**

- Check that the strength of 4G must be higher than -65dbm.

## 8.8 Error and Warning Message

Status	Blue	Green	Red	Remark
Input OVP	-	-	One flash followed by a 3-sec pause	Auto Recover
Input UVP	-	-	Two flashes followed by a 3-sec pause	Auto Recover
Output OCP	-	-	Three flashes followed by a 3-sec pause	Auto Recover
OTP	-	-	Four flashes followed by a 3-sec pause	Auto Recover
RCD Abnormal	-	-	Five flashes followed by a 3-sec pause	Auto Recover
Ground Fault <sup>*1</sup>	-	-	Six flashes followed by a 3-sec pause	Auto Recover
Control Pilot Fault	-	-	Flicker	Auto Recover
MCU Self-Test Fail	-	-	Constantly Bright	Contact Customer Service
RCD Self-Test Fail	-	-	Constantly Bright	Contact Customer Service
Relay Self-Test Fail	-	-	Constantly Bright	Contact Customer Service
RCD Abnormal Stop Charging <sup>*2</sup>	-	Constantly Bright	Constantly Bright	Contact Customer Service <sup>*3</sup>
Output OCP Stop Charging <sup>*2</sup>	Constantly Bright	-	Constantly Bright	Contact Customer Service <sup>*3</sup>
OTP Stop Charging	Flicker	Flicker	Constantly Bright	Contact Customer Service

\*1 Verify that the Wall Connector is properly grounded. The Ground connection must be bonded in the upstream power supply for proper operation. Check all physical connections, including the wirebox terminals, electrical panel(s), and junction boxes. In residential power supplies, check the bond between Ground and neutral at the main panel. If connected to a step- down transformer, contact the transformer's manufacturer for direction on how to bond the ground connection.

\*2 Withdraw and re-plug the charging gun can exit this stop charging mode.

\*3 If this stop charging mode is frequently triggered, please contact customer service for technical solutions.

## 9. Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### **Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



## 10. Industry Canada statement

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

### **Radiation Exposure Statement:**

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

### **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

### **This device is intended only for OEM integrators under the following conditions: (For module device use)**

- 1) The antenna must be installed and operated with greater than 20cm between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

### **Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)**

- 1) L'antenne doit être installée et exploitée avec plus de 20 cm entre

l'antenne et les utilisateurs, et

2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Tant que les 2 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

**IMPORTANT NOTE:**

In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

**NOTE IMPORTANTE:**

Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

# 11. Maintenance and Repair

## 11.1 Daily Maintenance

Please keep the charger clean and keep the charger in a clean area with low humidity. Do not install it in an environment near the sea, with high oil, high humidity or high dust.

- Avoid moisture or water in the charger. If water or excess moisture gets into the charger, immediately power off the charger to avoid immediate danger. Proceed to contact the appropriate maintenance personnel before the next use.
- If there is any damage or dirt on the vehicle connector, charging cable, or vehicle connector holder, please contact the maintenance personnel immediately.
- Please use the charger correctly. Do not hit or press hard on the case. If the case is damaged, please contact a professional technician.
- Avoid placing the charger near hot objects and at high-temperature locations and away from dangerous substances such as flammable gases and corrosive materials.
- Do not place external objects or heavy objects on the charger to avoid danger.

## 11.2 Maintenance Spares

- This product is covered by a two-year parts warranty. If you have a technical issue, contact Pihong USA to speak to a technical support representative.

## 10.3 Warranty and Maintenance

### Warranty Coverage:

- The warranty period for this EV charger is two years from the invoice date. A two month grace period is provided for all shipments direct from Asia to the location designated by the reseller.

- After the warranty period, if no extended warranty has been purchased, any replacement parts or upgraded parts ordered will be covered for (one year) from the invoice date.
- During the warranty period, Dealer will provide ongoing technical support to help troubleshoot any technical issues. Our support team is available during normal office hours.
- During the warranty period, if the product is upgraded through an authorized reseller or Agent, the original warranty period can be maintained.
- AC series faulty charger returns will be replaced by new units under warranty subject to the conditions detailed below. Outside of warranty faulty chargers can be returned for repair assessment and cost.

**Warranty Exclusions:**

- Inability to provide valid proof of purchase.
- The product is out of warranty.
- Damage caused by improper use, maintenance, and/or storage.
- Damage or malfunction caused by a foreign object entering the unit.
- Unauthorized repair, disassembly, or modification.
- Malfunction and damage caused by other unavoidable external factors.
- Malfunction and damage caused by improper use of equipment, such as water or other solutions entering the equipment.
- Mechanical damage caused by an accident.
- Damage or rendered non functional because of power surges, lighting, earthquake, fire, flood, pest damage, abuse, accident, misuse, negligence, or failure to maintain the product or other event beyond Supplier's reasonable control or not arising from normal operating condition.
- Cosmetic or superficial defect, dents, marks, or scratches after use.
- Components which are separate from the product, ancillary equipment, and consumables, such as RFID card, fuse, cable, wires, and connectors.

- Damage as a result of modifications, alterations or disassembling which were not pre authorized in writing by Supplier.
- Damage due to the failure to observe the applicable safety regulations governing the proper use of the product.
- Installed or operated equipment not in strict conformance with the documentation, including without limitation, not ensuring sufficient ventilation for the product as described in Supplier installation instruction.
- Damage caused by not using the spare parts provided by the original supplier.

If a defect occurs during the warranty period, the product or parts must be returned in accordance with the terms in our return policy. A copy of the original invoice or other proof of purchase must accompany the returned unit(s) or parts.

Dealer reserves the right to repair or replace any defective EV charger within the warranty period. Dealer is under no obligation to repair or replace EV chargers that have components damaged by using excessive loads or input conditions beyond the stated range of the EV charger specification.

Except as expressly stated in this warranty or in the written sales agreement between dealer and its direct customer, no other warranties, expressed or implied will be applicable. In no event shall dealer be liable for loss of profit or benefits, indirect, special, consequential, or other similar damages arising out of any breach of warranty or otherwise.

When service is required for an EV charger, a defect report is required to obtain a Return Merchandise Authorization number (RMA) before returning the EV charger(s) or parts. Dealer will not accept returns that do not have an RMA number included with the shipment.

Defective units or parts must be returned freight prepaid; Dealer will pay for the shipping back to the customer for valid warranty claims.

EV chargers within the warranty period will be repaired or replaced free of charge, if the warranty and return policy conditions have been met. EV chargers that are repaired after the warranty has expired will be subject to charges for parts and labor. We will only start the repair process after we have received acceptance by the customer of the repair costs.

The RMA information must be filled in completely in accordance with the format, including the product serial number, the date of failure/replacement, and the address of use. Dealer starts to calculate the processing time of the RMA process after the information is complete.

Freight forwarder appointed by either dealer Technologies or the Customer should be insured by a reputable insurer to cover full invoice value of the products for each shipment in the event of occurrences of damage, all equipment should remain in original packing.

To return EV chargers or parts to dealer, please contact us during normal business hours. You will be issued an RMA number and instructed on how to return the EV charger. A detailed description of the problem(s) with each EV charger and a list of the serial numbers should be included with the shipment.

Returned EV chargers are subject to the following conditions:

- (1) EV chargers or parts must be packed in a manner that will prevent incidental damage during shipping.
- (2) A copy of the original purchase order or other proof of purchase and defect report must accompany the return.
- (3) EV chargers or parts returned to dealer that are determined to be misused, altered, or modified from the original manufactured release will be returned to the client freight collect.
- (4) Retesting fee per unit and return freight charges will be incurred for units(s) with no defects.
- (5) Root Cause Analysis and failure report for products out of Warranty will be charged depending on the condition of the product.

## 11.4 Maintenance History

Product Name \_\_\_\_\_ Serial No. \_\_\_\_\_

Product Model \_\_\_\_\_

Manufacture Date \_\_\_\_\_ Year \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_

Customer \_\_\_\_\_

Phone \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

### 1.Maintenance Content

After Service \_\_\_\_\_ Signature of Customer \_\_\_\_\_

### 2.Maintenance Content

After Service \_\_\_\_\_ Signature of Customer \_\_\_\_\_

### 3.Maintenance Content

After Service \_\_\_\_\_ Signature of Customer \_\_\_\_\_

### 4.Maintenance Content

After Service \_\_\_\_\_ Signature of Customer \_\_\_\_\_

### 5.Maintenance Content

After Service \_\_\_\_\_ Signature of Customer \_\_\_\_\_





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