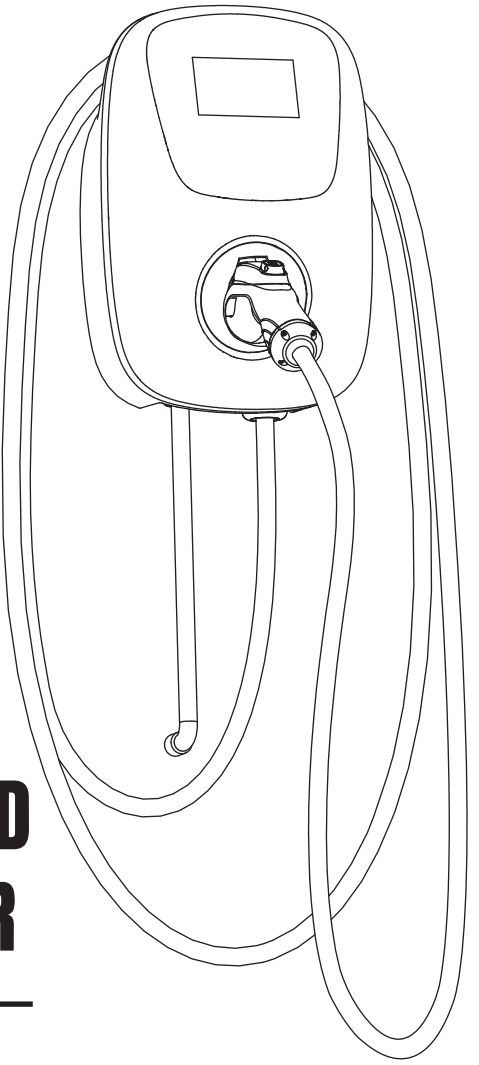
VOLTIX

U - V1.0



WALL-MOUNTED AC EV CHARGER

USER MANUAL

The illustration is for reference only. Please refer to the actual product for details.

CONTENT

VOLTIX

VOLTIX

WARNING

- This product is an indoor/outdoor Level 2 EV charger designed exclusively for charging electric vehicles. It must not be used to power non-compatible loads such as power tools, nor should it be used to charge vehicles that do not conform to local charging standards.
- The charger must be operated strictly within the parameters specified in the Performance Parameter Table.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

• This manual contains important safety and operational instructions for the AC charger series. These instructions must be followed during the installation, operation, and maintenance of the unit.
• Read all instructions carefully before using this product.
• Do not use the charger if the charging cable is damaged or frayed.
• Do not use this product if the enclosure or EV connector is broken, cracked, open, or otherwise damaged.
• Never insert fingers or any objects into the EV connector.
• This device must be used under adult supervision when children are nearby.
• Installation must be carried out by a qualified and licensed electrician.
• Warning: Improper operation may result in serious injury, death, or equipment damage. The manufacturer is not liable for any claims arising from misuse. Ensure this manual is fully understood and all specified conditions are met before operating the charger.
• Do not operate the charger in environments where electric leakage may occur.
• Any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.
• To reduce the risk of fire, connect only to a circuit equipped with appropriate branch circuit overcurrent protection—e.g., 16A (3.5 kW) or 32A (7 kW)—in accordance with NFPA 70 and CSA C22.2 standards.

SAVE THESE INSTRUCTIONS

WARNING

Installation Requirements

• Install the charger in a location that is convenient for daily use, away from hazardous areas such as water sources, oil, or gas pipelines.

• It is recommended to install the unit in a cool, well-ventilated area equipped with sunshade and rain protection. Avoid direct sunlight or humid environments.

• The mounting wall must be capable of bearing the weight of the charger and accessories. Secure all wall-mounted components with screws, and ensure the charger remains upright and level after installation.

• Leave sufficient operating space around the charger for easy access and maintenance.

• All installation and wiring work must comply with local or national electrical codes and regulatory requirements.

Conditions of Use

• The enclosure must remain sealed to prevent ingress of liquids.

• Only non-explosive, non-corrosive, and non-insulation-damaging gases may be present in the operating environment.

• Keep all cables at least 150 mm away from heat sources or heat-generating components.

• When not in use, hang the charging connector vertically at a height of approximately 1.2 m to 1.5 m above the ground.

Storage Conditions

• Store the product in a dry, well-ventilated indoor environment.

• Ambient temperature range: -40°C to +70°C.

• The 24-hour average temperature should not exceed +35°C.

• Monthly average relative humidity should not exceed 95% at 25°C.

• Ensure no surface condensation occurs.

Note

• This equipment is not intended for residential use and may not provide adequate protection against radio interference in such environments. For best performance, install in a location such as a garage or outdoor wall, away from dense crowds or sensitive radio equipment.

01 / Safety Instruction

NOTICE

• The manufacturer shall not be held liable for any safety incidents or product damage resulting from failure to follow the safety instructions outlined in this manual.
• This product has been developed, manufactured, inspected, and documented in accordance with applicable safety standards. When used properly, it meets safety and health requirements for personnel.
• Radio waves emitted by this product may interfere with the normal operation of implantable or personal medical devices (e.g., pacemakers, defibrillators, cochlear implants, hearing aids, etc.). Please consult the manufacturer of the medical device for specific guidance.
• Due to technical or legal limitations, certain product models or accessories may not be available in all regions. Special requirements may be accommodated upon request.
• Although this manual provides relevant safety guidance, users must also comply with the specific safety regulations and accident prevention measures required at the installation or operation site.
• This manual is intended for both end users and technical professionals. The final interpretation rights of this document belong to the company.
• Shenzhen Electrly Future Co., Ltd. hereby declares that this AC EV Charger complies with the essential requirements and other relevant provisions of the Radio Equipment Directive 2014/53/EU. The Declaration of Conformity can be accessed at: https://electrly.com/

Circuit Breaker Specifications

In order to protect the safety of electricity, it is necessary to add circuit breakers to the input side of the product, the specifications are as follows：

Power	Current	Circuit Breaher/Socket
11kW	48A（Max）	63A(2P Circuit Breaher)/63A Socket(Minimum)

01 / Safety Instruction

Electrical Safety Regulations

GROUNDING INSTRUCTIONS:

• **For a grounded, cord-connected product:**

This product must be grounded. In the event of a malfunction or electrical fault, grounding provides a low-resistance path to direct the current safely to the ground, thereby reducing the risk of electric shock.

The product is equipped with a power cord that includes an equipment grounding conductor and a grounding plug. This plug must be inserted into a properly installed and grounded outlet in compliance with all applicable local codes and regulations.

• **For a permanently connected product:**

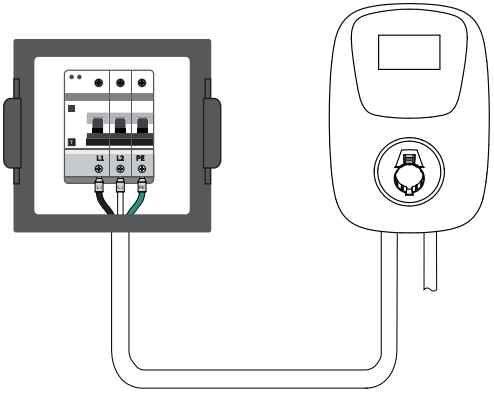
This product must be connected to a grounded, metallic permanent wiring system. Alternatively, an equipment grounding conductor must be routed with the circuit conductors and connected to the grounding terminal or lead provided on the product.

⚠ **WARNING**

- Improper connection of the equipment grounding conductor may result in electric shock.
- If you are unsure whether the product is properly grounded, consult a qualified electrician.
- Do not modify the plug supplied with the product. If it does not fit the outlet, contact a qualified electrician to install a suitable outlet.

Power Supply System:

- This product is designed to operate with an AC TN-C-S power supply system.
- The power supply system must have a capacity greater than the product's maximum operating power.
- Detailed AC working voltage and frequency specifications can be found in the "Performance Parameter Table".



Circuit Breaker Installation Schematic (Hardwired Version)

01 / Safety Instruction

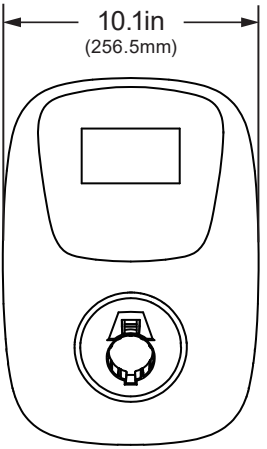
VOLTIX

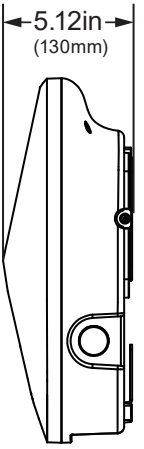
⚠ WARNING:

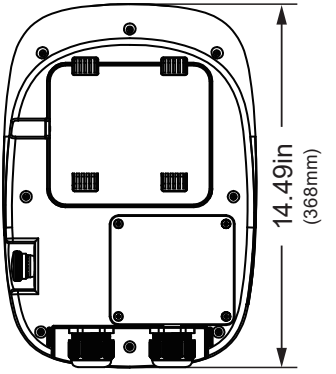
- Improper connection of the product's grounding conductor may result in electric shock. If you are unsure whether the product is properly grounded, contact a licensed electrician or qualified service technician for inspection.
- Do not attempt to modify a plug that does not fit the outlet. Instead, have a qualified electrician install a compatible and properly grounded outlet.
- It is recommended to press the test button on the GFCI (Ground Fault Circuit Interrupter) at least once a month to verify that the leakage protection function is operating correctly and that the power supply system remains safe and effective.
- If any abnormality occurs during testing—such as the reset button failing to engage or the equipment not shutting off—discontinue use immediately and contact a qualified electrician for service.

02/Product Specifications

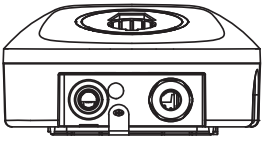
Product Dimensions







SAE J1772



02/Product Specifications

VOLTIX

Technical Specifications Sheet

Product Specifications	
Mode	A57W148US17
Output Power ①	11.5 KW
Operating Current	48A
Operating Voltage	L1 / L2 / PE；240Vac
Operating Frequency	60Hz±1Hz
Input Methods	Hardwired（Not less than 6 AWG）
Basic Parameters	
Cable Length	24.6ft（7.5m）
Connector Type	SAE J1772
Indicator	3-color LED
User Interface	4.3 inches LCD Display Screen
Installation Method	Wallbox
Charging Method	Plug and Charge / APP Charging
Communication Method	WiFi & Bluetooth(Optional)
Product Weight	＜7.5kg
Appearance Size	14.49inc（368mm）×10.1in（256.5mm）×5.12in（130mm）
Protection Characteristics	
Over Voltage Protection	Input Voltage＞120 %, relay is off
Under Voltage Protection	Input Voltage＜80 %, relay is off
Over Load Protection	Output Current> Preset Current, relay disconnected, the power supply needed to be cut off and restored
Over Temperature Protection	The motherboard relay temperature reaches 90°C and the current is reduced. If it exceeds 95°C, it will shut down
Emergency Stop Protection	If the charging pile malfunctions and does not stop automatically, the emergency stop button can be pressed to stop the charging.

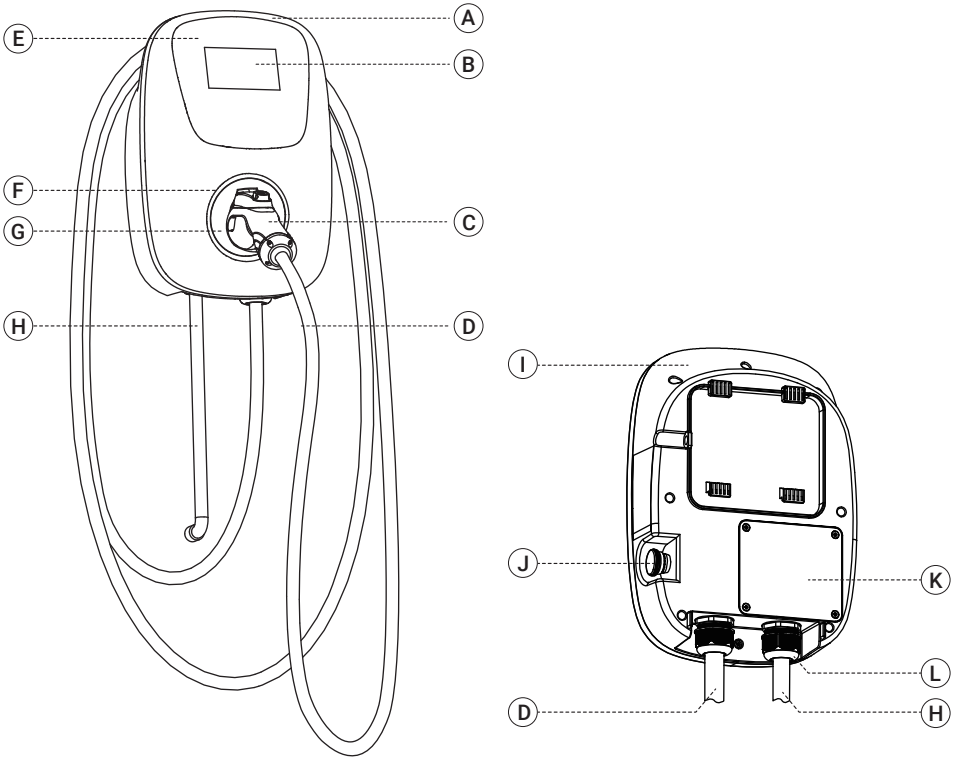
02/Product Specifications

Ground Protection	If the ground wire is not detected or becomes disconnected during charging, the relay will automatically disengage to ensure safety.
Surge Protection	L-N3kV/LN-G3kV
Leakage Protection	CCID20, Leakage Detected, Relay Disconnected
Environment Characteristics	
Operating Temperature	-30℃~ +50℃
Storage Temperature	-35℃~ +80℃
Operating Humidity	5%~95% RH
Operating Altitude	＜2000m
Protection Degree	TYPE 3R
Reliability	
MTBF	100,000H
Warranty	2 Years
Standard	UL2594,UL2231-1/-2,UL1998,UL991,UL2251

① Please confirm the relevant parameters according to the power of the purchased product.

03/ Product Installation

Product Components Introduction



SAE J1772 EV Charger Schematic

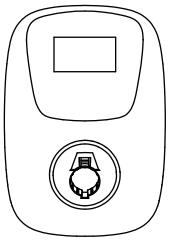
Ⓐ. Front Shell
Ⓑ. LCD Screen
Ⓒ. J1772 Connector Latch
Ⓓ. Output cable
Ⓔ. Surface
Ⓕ. LED Indicator Light
Ⓖ. EV Connector Holder
Ⓗ. Input Cable
Ⓘ. Rear Shell
Ⓙ. E-stop Button
Ⓚ. Junction Box Cover
Ⓛ. Waterproof Joint

*The diagram is for reference only. Please refer to the actual product for details.

03/ Product Installation

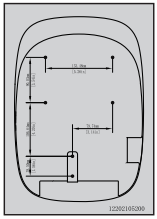
Packing List

Note: Please check the packing list to ensure that all the parts listed below are included.



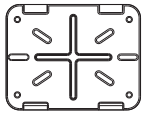
x1

EV Charger



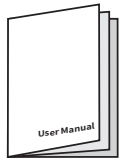
x1

Mounting Module Ⓞ



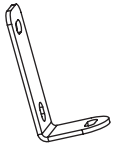
x1

Fixing Plate Ⓟ



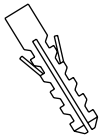
x1

User Manual



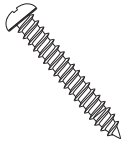
x1

L-Shape Mounting Bracket Ⓠ



x6

Expansion Plugs Ⓡ (ϕ8×40mm)



x6

Screws Ⓢ (PA5×40mm)

x1

Screws Ⓣ (PA4×18mm)

x1

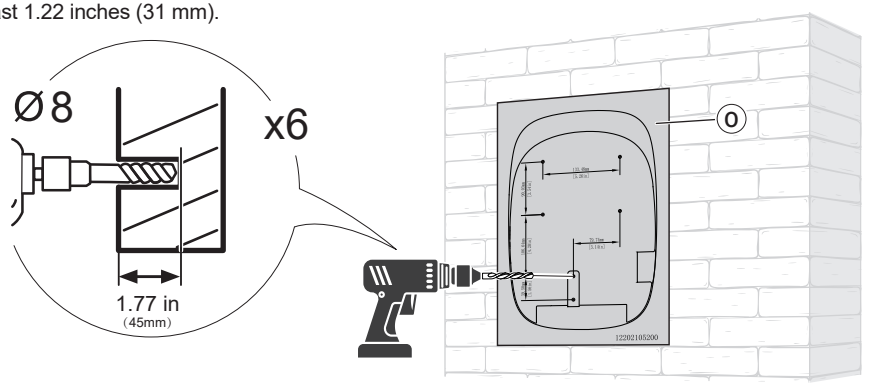
Screws Ⓤ (KA4*18mm)

Wallbox Installation Method

Step 1:

Secure the mounting bracket Ⓞ horizontally onto the wall.

Use a φ6 mm drill bit to drill 7 holes at the marked positions of bracket Ⓞ to a depth of at least 1.22 inches (31 mm).



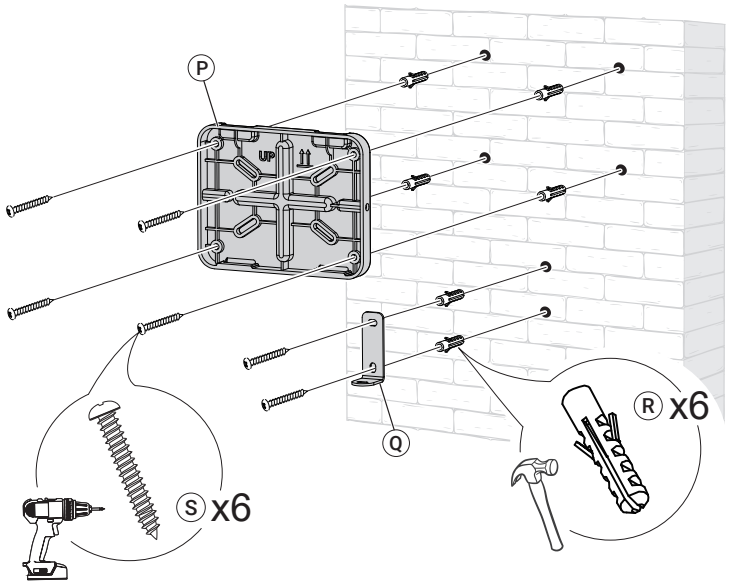
NOTE:

- Ensure that the coupler stowage components are installed between 23.62 inches (0.6 m) and 47.24 inches (1.2 m) above the ground when setting up the EV charger.

Step 2:

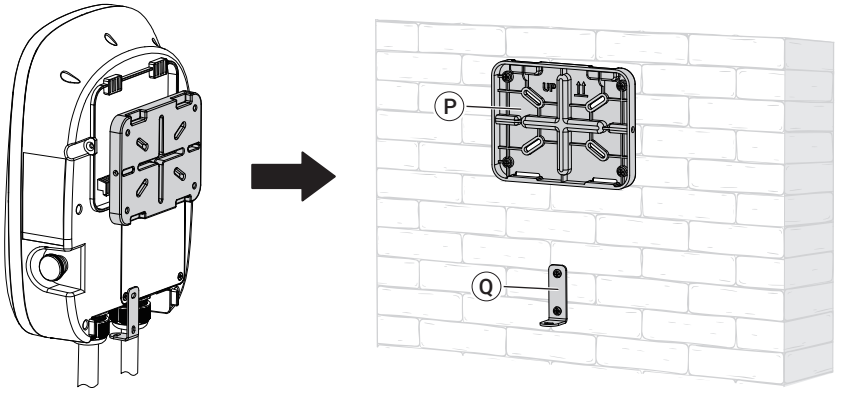
Insert the expansion plugs Ⓡ into the drilled holes.

Then, align the fixing plate Ⓟ and L-bracket Ⓠ with the holes and secure them to using screws Ⓢ.



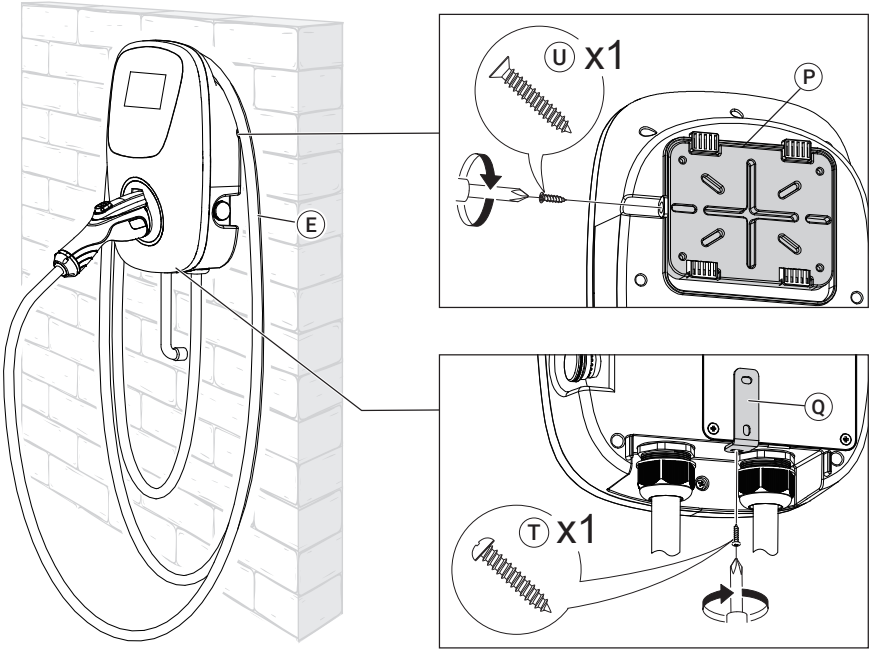
03 / Product Installation

Step 3:
Align the EV charger with the fixing plate Ⓟ and firmly press it into position until securely attached.



Step 4:

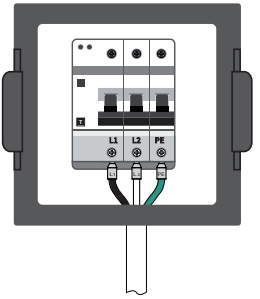
- Fasten the charging post to the fixing plate Ⓟ using screws.
- Then, secure the EV charger to the L-bracket Ⓠ with screws ①.
- After confirming all components are firmly attached, neatly arrange the output cable.



03/ Product Installation

Step 6:

Select the appropriate power supply connection method based on the specific version of the product. For installation procedures, please refer to the Electrical Safety Code.



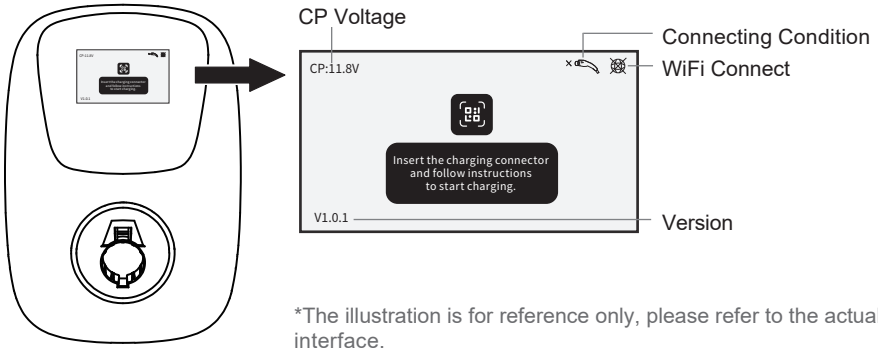
Hardwired Version

NOTE:

- When using the EV charger, maintain a minimum distance of at least 7.9 inches (20 centimeters) between the charger and the human body.

04/ Operation Guide

Operating Settings



*The illustration is for reference only, please refer to the actual interface.

LED Indicator Instruction

Charging Condition	Indicator Color	Indicator Condition
Standby	Blue	Always light up
Insert the Vehicle Charging Connector	Green	Always light up
Under charging	Green	Breathing light
CP Fault	Red	Always light up
Over-voltage/ Under-voltage	Red	Blinks every second
Grounding Fault	Red	Blinks every 2 seconds
Emergency Stop	Red	Blinks every 4 seconds
Over-current Protection	Red	3 seconds on, 3 seconds off
Leakage Protection	Purple	Blinks every second
Over-temperature Protection	Purple	Blinks every 2 seconds
Adhesion Protection	Purple	Blinks every 4 seconds

04/ Operation Guide

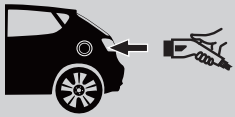
Charging Steps

- Connecting EV Charger

a.

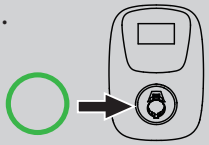
Open the vehicle's charging port and ensure it is free of any foreign objects or debris.

b.



Connect the EV charger's plug securely to the vehicle's charging port.

c.



If the green LED indicator is illuminated, the charging connector is properly connected.

- Select Charging Mode for Charging

Plug and Charge

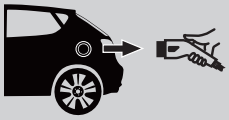
Plug in to start charging. The default mode is Plug and Play. To switch charging modes, please download and use the dedicated app.

APP Charging

- Scan the QR code to download the "Smart Life" app and use it to start the charging process.
- For detailed instructions, please refer to the App User Guide.
- Alternatively, you can search "Smart Life" in the Google Play Store or Apple App Store to download the app.

- Charging Complete

a.

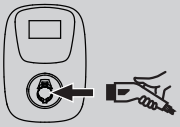


Unlock the vehicle using the car app or key, then disconnect the charging latch by pulling it out.

b.

Neatly organize and store the charging cable after use.

c.



Insert the charging connector back into its fixed holder or base after use.

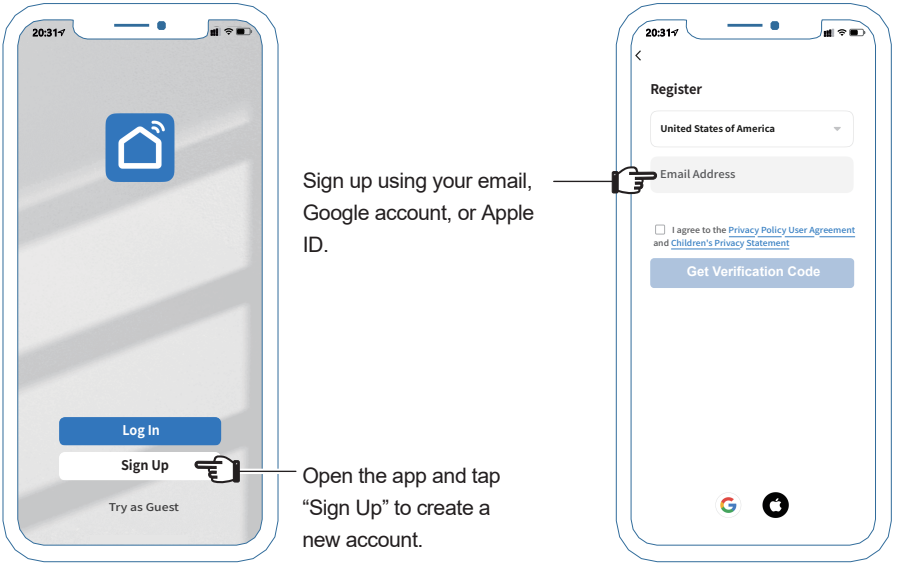
APP Use Instructions

- APP Download

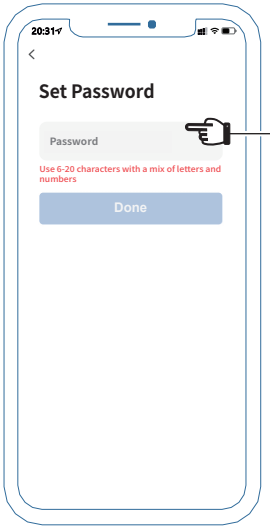
Step 1:
Scan the QR code below to download the Smart Life app to your mobile device.

- For iOS users: Search “Smart Life” in the App Store to download.
- For Android users: Search “Smart Life” in Google Play to download.

- Registration and Login



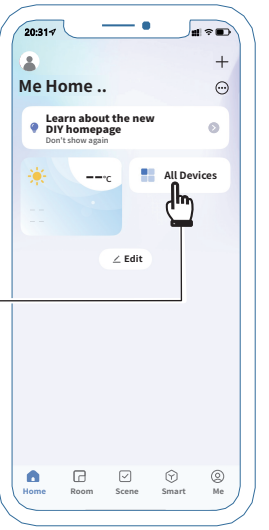
Step 1 Step 2



Step 3

Set your login password. Once completed, you will be directed into the app.

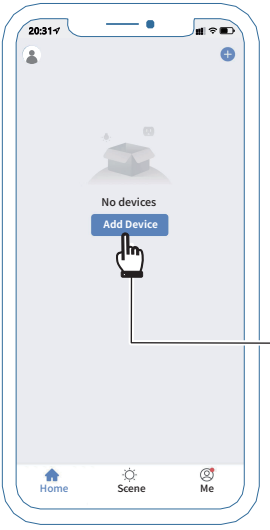
On the app's home page, tap "All Devices" to begin binding the charger.



Step 4

NOTE: Before adding the EV charger to the app, please ensure that Wi-Fi, Bluetooth, and location services are enabled on your phone.

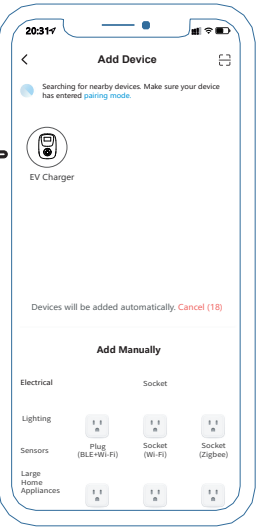
- Add the EV charger to the app



Step 1

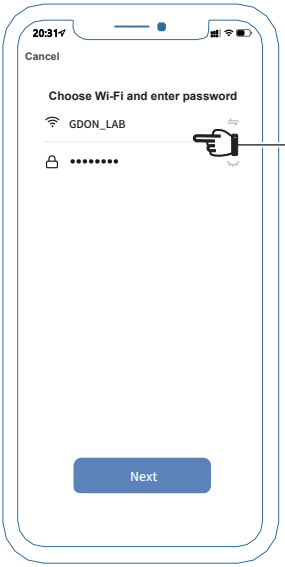
Once the search and pairing are complete, select the appropriate EV charger icon.

Tap "Add Device", or tap the "+" icon in the upper right corner to add the EV charger.



Step 2

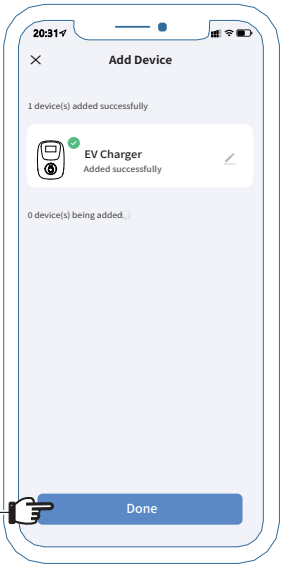
- Add the EV charger to the app



Step 3

Enter the Wi-Fi password when prompted to connect both the EV charger and your phone to the same network.

Once the connection is successful, tap “Done” to proceed to the Charging interface.



Step 4

TIPS:

Troubleshooting: Unable to Bind the AC Charger

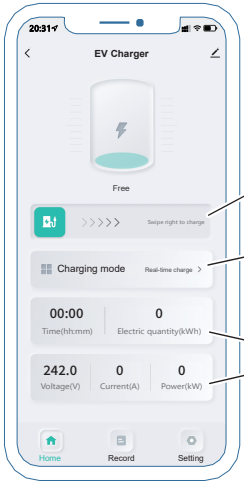
- When adding the EV charger for the first time, ensure that both Bluetooth and Wi-Fi are enabled on your phone.
- Make sure your phone is connected to a 2.4 GHz Wi-Fi network. The charger does not support 5 GHz networks.
- Confirm that the charging unit is powered on and functioning properly.

If the device cannot be found during the search, try the following reset options:

- Unplug the charging connector.
- Then, press and hold the “Reset” and “Wi-Fi” buttons simultaneously for 5 seconds to restore factory settings.
- Alternatively, press the emergency stop switch three times to reset the device.

- Restart the app, reconnect to the Wi-Fi network, and try binding the charger again.

- Charging Settings & Functional Keys
- Tap the “Home” icon to enter the charging interface. For detailed operation instructions, please refer to Figure 1.

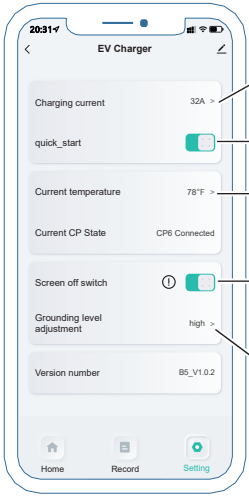


- Swipe the “Slide right to charge” icon to the right to start the AC charger.
- Select real-time charging, timed charging, or delayed charging based on your needs.
Using off-peak electricity periods can help reduce your charging costs.
- During the charging process, you can view key information such as charging duration, charging mode, voltage, current, and power.

See Fig.1 for reference.

Fig.1

- Tap the “Settings” icon to enter the settings interface. For detailed operations, please refer to Fig. 2.



The charging current can be adjusted to suit vehicles with different power needs.

When this switch is enabled, charging will start automatically without requiring manual operation in the app.

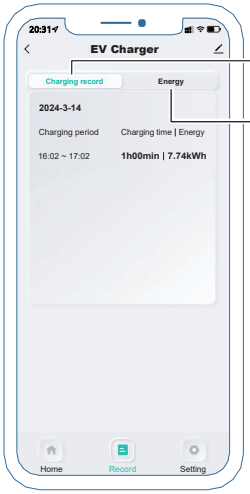
You can switch the temperature unit between Celsius and Fahrenheit based on your personal preference.

- Enable this option based on your personal needs.
- Tap the info icon next to the setting to view a detailed function description.

The grounding threshold can be adjusted based on the quality of the grounding environment. Poorer grounding conditions require a lower threshold setting.

Fig.2

• Tap the “Record” icon to enter the charging record interface. For detailed operations, please refer to Fig. 3.

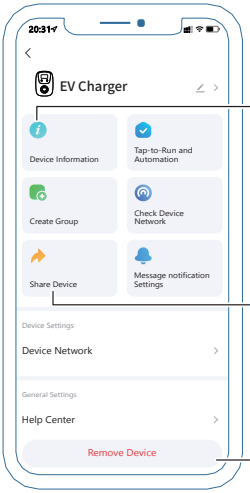


View historical charging power consumption data.

Access detailed records of past charging sessions.

Fig.3

• Tap the “Edit” icon in the upper right corner of the screen to access the background management page.
For detailed operations, please refer to Fig. 4.



• You can check the product’s virtual ID in this section.
• In the event of a malfunction, please provide this ID to after-sales support for assistance.

• You can share the device with family members and assign different usage permissions to each user.

• Follow the on-screen prompts to unbind the AC charger.

Fig.4

05/ Troubleshootings and Maintenance

VOLTIX

Troubleshootings

Issue 1: Device won't power on (power indicator does not light up)	• Check the power supply and cable connection to ensure everything is properly connected and the power source is functioning. • If the issue persists, please contact after-sales support for further assistance.
Issue 2: Charging does not start	• Ensure the correct charging mode is selected — Plug and Play, App Start, or Delayed Charging. • Check whether there are any foreign objects inside the charging connector, whether the cable is intact, and whether the connector is properly seated in the vehicle's charging port. • Verify that the vehicle's locking mechanism has securely locked the charging connector. If not, unplug and reconnect the charging connector to ensure it is properly locked. • If the issue persists, please contact after-sales support for assistance.
Issue 3: Charging does not complete or times out	• Check whether the EV charger displays any fault messages. • Provide the virtual ID of the EV charger to after-sales support to help identify the issue. (You can find the virtual ID in the app.)
Issue 4: Can't find the device in the app	• Ensure that both the mobile phone and the EV charger are connected to a 2.4 GHz Wi-Fi network. Also, confirm that Bluetooth is enabled on your phone. • If the charger is already bound to another phone, the new phone may not be able to connect. In this case, perform a factory reset by pressing the emergency stop button (on/off) three times within 12 seconds, then try adding the device again from the new phone. • If the issue persists, please contact after-sales support for assistance.
Issue 5: "CP FAULT" displayed on screen	• Stop charging, unplug and reinsert the charging connector, then restart the EV charger to attempt charging again. • If the issue persists, please contact after-sales support for assistance.

Issue 6: "GROUND FAULT" displayed on screen	• Check whether the power supply is properly grounded. • If the issue persists, please contact after-sales support for assistance.
Issue 7: "OVER TEMPERATURE FAULT" displayed on screen	• The ambient temperature may be too high, or the EV charger has triggered over-temperature protection. • Try lowering the charging current and restarting the charging process. • Alternatively, stop charging and wait for 10–15 minutes before attempting to charge again. • If the issue persists, please contact after-sales support for assistance.
Issue 8: "OVERVOLTAGE OR UNDERVOLTAGE FAULT" displayed on screen	• The input voltage is more than 10% higher or 10% lower than the rated operating voltage. • Check whether the current supply voltage is stable and whether the power source has sufficient load capacity. • If the issue persists, please contact after-sales support for further assistance.
Issue 9: "Please insert the EV Connector" remains on screen after plugging in	• Unplug the charging connector and check for any dirt, debris, or damage. Clean the connector if necessary, then reinsert it securely into the vehicle's charging port. • Check whether the vehicle's charging system or settings may be causing the issue. If so, please contact the vehicle manufacturer's technical support. • If the issue persists, please contact after-sales support for further assistance.

⚠ Important matters:

- To ensure your warranty remains valid, please make sure the product's tear-proof label is intact and undamaged.
- The warranty period is determined based on the date of transportation and delivery. If this date cannot be provided, the factory shipment date will be used as the reference.
- Both the original product and the purchase invoice must be presented during the warranty claim process.

Maintenance and Care

- Appearance and Connection Inspection

– Shell and surroundings: Check for any cracks, deformation, corrosion, or discoloration on the shell. Ensure the installation base is secure. Clean surface dust, oil, or debris using a dry cloth or neutral cleaner. Avoid using water.

– Charging connector and socket: Check for dirt, oxidation (a small amount of anhydrous alcohol can be used to remove minor oxidation), or foreign objects blocking the socket. Ensure smooth insertion/removal with the vehicle charging port, and confirm that the locking mechanism is functioning properly.

– Cables and plugs: Inspect for damage to the power or charging cables (e.g., cracks, rodent bites). Check if the plug is loose or abnormally hot to the touch, and verify that the grounding wire is secure.

- If the EV charger will not be used for an extended period, turn off the power supply. Neatly store the charging cable, cover the connector with a dust-proof cap, or insert it into the socket for protection.

06/ Certification Statement

FCC Statements

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
(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 A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This device generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.

FCC Radiation Exposure Statement
This device has been evaluated and found to meet general RF exposure requirements.
It can be used in portable exposure conditions without restriction.
It is also suitable for mobile exposure conditions, provided a minimum distance of 20 cm is maintained from the human body.

RF Exposure Compliance
This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment.
It should be installed and operated with a minimum distance of 20 cm between the radiator and the user's body.

IC Statement (Industry Canada)
This device complies with Industry Canada's licence-exempt RSS standards. Operation is subject to the following two conditions:

(1) This device may not cause interference
(2) This device must accept any interference received, including interference that may cause undesired operation.

06/ Certification Statement

Avis d' Industrie Canada

Le présent appareil est conforme aux CNR d' Industrie Canada applicables aux appareils radio exempts de licence. Son utilisation est soumise aux deux conditions suivantes :

(1) L' appareil ne doit pas produire de brouillage

(2) L' utilisateur de l' appareil doit accepter tout brouillage radioélectrique subi, même si ce brouillage est susceptible d' en compromettre le fonctionnement.

CAN ICES-3 (A) / NMB-3 (A)

Radiation Exposure Statement

This equipment complies with IC radiation exposure limits established for an uncontrolled environment. It should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

éclaration d' exposition aux radiations

Cet équipement est conforme aux limites d' exposition aux rayonnements établies par Industrie Canada pour un environnement non contrôlé.

Il doit être installé et utilisé en respectant une distance minimale de 20 cm entre la source de rayonnement et votre corps.

VOLTIX

Shenzhen Electrly Future Co., Ltd.

Address:5th Floor,North Tower,
Zhongdian Lighting Building, Nanshan
District, Shenzhen, China.

Web: https://electrly.com/

Technical support: support@electrly.com