



AC EV Charging Station Manual



CONTENTS

Preamble.....	1
Importantsafety instructions	2
Safety Precautions(Installation).....	3
Warning.....	4
Use Of Charging Posts.....	5
Warning slogan.....	6
Other.....	7
Product List	8
Technical Indicators	9
Installation Preparation.....	10
Process Steps.....	11
Fault Indicator Lamp.....	12
Common Troubleshooting.....	13
Adding Devices	14
Add Equipment	15
Product Installation and Maintenance Record Form.....	16



Preamble

To help you install, use, and maintain the charging post correctly, please read this manual carefully.

Wherever a “CAUTION” notice appears in this manual, follow it carefully to avoid injury or product damage. Refer to the following for the meaning of these tip types and how to act on them:

CAUTION: Used to supplement key information and to communicate safety warnings about equipment or the environment. Failure to avoid these hazards could result in equipment damage, data loss, degraded performance, or other unpredictable consequences.

The content of this manual is for reference only and does not constitute any form of commitment. The product (including but not limited to color, size, and function) shall prevail in kind. If there is any inconsistency between the contents of this manual and the description on the official website, the description on the official website shall apply without prior notice.

IMPORTANT SAFETY INSTRUCTIONS

- Before using the charging post, read this manual and follow all safety precautions marked on the equipment and in the manual.
- The safety precautions in this manual are not exhaustive and are supplementary to all other applicable safety standards. The company assumes no liability for any violation of the general safety operating requirements or for any violation of the safety standards for the design, manufacture and use of the equipment.
- This equipment must be used in an operating environment that complies with the provisions of this manual. Otherwise, it may cause equipment malfunction. Any resulting equipment damage, personal injury, or property damage is not covered under the equipment warranty.
- Do not install the charging station in a strong magnetic field environment or near wireless transmitting equipment.
- Do not install or use the charger in or near flammable, explosive, chemical, or vapor environments.
- Do not install or use the charging post in a location exposed to direct sunlight.
- Do not install or use the charging post in bad weather.
- Do not allow children to approach, touch, or use the charging station.
- Do not disassemble, repair or modify the charging station by yourself.
- Do not use external wires, adapters, or adapters.
- Do not insert fingers or sharp objects into any part of the charging station.
- Do not drop, squeeze, or puncture the charging station to avoid equipment failure.
- Do not fold, crush, or use sharp objects to damage any parts of the charging station.
- If the charging station has defects, cracks, other damages, or cannot function properly, do not use it.
- Do not use private generators as power sources for charging stations.
- Do not connect the charging gun to any device other than the car.

“CAUTION” and the following or equivalent: “To reduce the risk of fire, connect only to a circuit provided with at least 125% product rating branch circuit overcurrent protection in accordance with the ANSI/NFPA 70, National Electrical Code and CSA C22.1, Canadian Electrical Code, Part 1.

SAVE THESE INSTRUCTIONS

Safety Precautions(Installation)

Before installation, please read carefully and follow the installation precautions, and make adequate preparations for the installation.

- Only professionals holding local professional qualification certificates are allowed to install and dismantle charging piles.
- Ensure the correctness and standardization of the installation operation to avoid accidents such as fire or electric shock.
- Ensure the installation surface is solid and meets the load-bearing requirements for installing the charging pile. It is recommended that the load-bearing capacity of the installation wall be $\geq 100\text{kg}$.
- Ensure the wall at the installation location is flat and reserve sufficient space to guarantee good ventilation for the charging pile.
- Ensure that the surface where the charging pile is installed can completely cover the rear cover of the charging pile.
- This device shall be mounted at a sufficient height from grade such that the height of the storage means for the coupling device is located between 600 mm (24 inches) and 1.2 m (4 feet) from grade.
- This device shall be mounted at a sufficient height from grade such that the height of the storage means for the coupling device is located between 450 mm (18 inches) and 1.2 m (4 feet) from grade.

Warning

a) For a grounded, cord connected product:

GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING – Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

b) For a permanently connected product:

GROUNDING INSTRUCTIONS

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

Use Of Charging Posts

please read the safety precautions carefully before using the charging post.

- Ensure the charging post is used without cracks, damage, or the abnormalities.
- Ensure there is no liquid or other foreign matter in the head of the charging gun or inside the charging port of the vehicle.
- The charging post features plug-and-play operation. Charging can be stopped using the emergency stop button on the side of the vehicle.
- Do not unplug the charging gun during the charging process.
- Charging stops automatically when the battery is fully charged.
- Get detailed instructions in the "Common Troubleshooting " section.

Swipe card charging

1. Remove the charging gun, insert it into the vehicle's charging port, and ensure it is fully inserted.
2. Place the RFID Card on the RFID Card swipe area of the stake to charge. The blue light flashes to indicate successful card swiping.

Stop charging

Please stop charging via the vehicle-side stop button.

Routine Maintenance

- No special maintenance is required for the charging post. It is recommended that the post housing and accessories be inspected and cleaned every 6 months.
- Check the appearance of the charging post and cable for any damage.
- Use a cloth to clean the surface of the charging post, Do not spray water directly onto the unit.
- Do not use corrosive chemical cleaners, glass cleaners, or organic solvents to clean the charging post.

Warning slogan

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 or more 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.

MPE Requirements

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended.

Other

Transportation/Storage

- The charging post should always be transported in its original packaging, and care should be taken not to place other items on top of the charging post.
- The charging post shall be stored in a clean , dry, well -ventilated area free from corrosive influences, and where the relative humidity does not exceed 80% .
- Transportation and storage conditions must not exceed the limits of the technical specifications.

Dismantle

- This equipment is only allowed to be disassembled by professionals who hold local professional qualification certificates.
- Before dismantling, please turn off the front-stage power of the charging post, then refer to the installation procedure and dismantle the charging post in the reverse order.

Disposal/scrapping

- Observe local laws and regulations for the proper and environmentally friendly disposal of charging posts , and drop them off at designated collection points for used and end-of-life electronic equipment.
- Please be careful not to dispose of electronic equipment as normal household waste.

Troubleshooting and Handling

- Please refer to the " Common Troubleshooting " section in this manual for detailed instructions on troubleshooting and handling.

Product List



Production Machine*1



Mount for hanging gun*1



Large hanging pane*1



Small hanging pane*1



RFID card*3



6mm Expansion
rubber plug*8

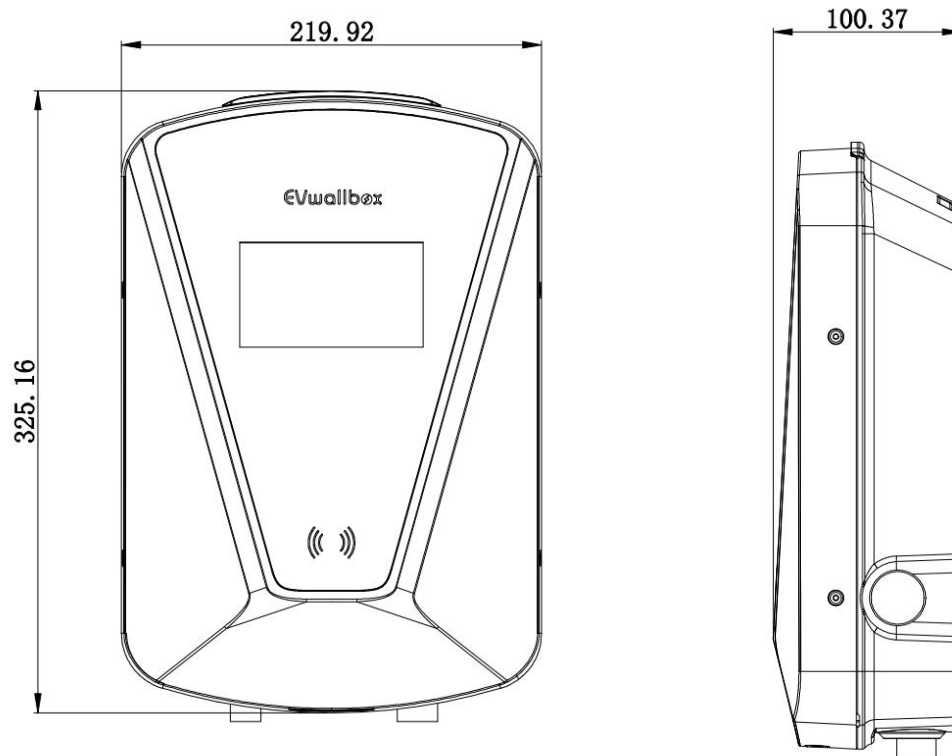


KA-M4*40MM
screw*8



KM-M3*12MM
screw*2

Technical Indicators



Model	FU-AM3-40	FU-AM3-48
Power	9.6kW	11.5kW
Voltage	240V	
Frequency	50/60Hz	
Communication	WIFI ;Bluetooth(Smart Life);	
User interface	LED light + LCD display (4.3 inch) + RFID	
Charging interface	Type1+25FT cables or custom cable length	
Degree of protection	NEMA Type4	
Operating temperature	-30°C to 45°C	
Operating humidity	5%-95%	
Fulfillment Criteria	UL2594, UL2231-1, UL2231-2	

Installation Preparation

Preparation for Installation

Please confirm the following information before installation:

- The electrical load balance of the house is able to meet the use of the charging pile.
- If the charging pile is connected via WiFi , make sure the installation area is covered by a wireless network.

Prepare Tools and Accessories

- Protective tools: safety helmet, protective gloves , insulated shoes.
- Hardware installation tools: Phillips insulated torque screwdriver (M4/M5/M6) , impact drill and drill bit, marking pen.
- Measuring instruments: steel tape measure , leveling ruler.

Installation process

Fixed Wall Fittings

- Please install the charging post on the a wall with a load-bearing capacity of at least 2100kg. Do not drill holes directly through the back cover, as this may cause damage.
- Place the wall -mounted accessories and the lance holder on the wall,keep the horizontal position, and mark the hole-punching position with a marking pen.
- Use an impact drill to make holes in the marked locations and place expansion tubes.
- Use wall screws to fix the rear wall mounting accessories and gun mount to the wall. Hang and fasten the charging post on the wall mounting accessory and place the charging gun on the gun mount.
- Use countersunk head self-tapping Phillips screws (M4* 40)* 8 to lock the screw holes under the charging stake.

Process Steps



After the charging station is powered on, it automatically runs POST and the interface shows the standby status.



After the device starts charging, the interface displays the charging status and information parameters.



When the device is in the normal charging process, swipe the RFID card to end charging.



The interface displays a warning status when the device has a fault problem.



Ready Green
LED light: always on



Charging / Completed blue LED
light: flashing / always on



Fault Red
LED light: blinking

Fault Indicator Lamp

Working Status	Green	Blue	Red
Ready	On	Off	Off
Swipe	Flash	Off	Off
Connect	Off	On	Off
Charging	Off	Flash	Off
Finish	Off	On	Off
Err:CP	Off	Off	Flash once
Under Voltage	Off	Off	Flash twice
Over Voltage	Off	Off	Flash 3 times
Elec Leakage	Off	Off	Flash 4 times
Over Current	Off	Off	Flash 5 times
Over Temp	Off	Off	Flash 6 times
Err:Reset	Off	Off	Flash 7 times
Grounding Error	Off	Off	Flash 8 times

Common Troubleshooting

Fault Name	Possible Causes Of Malfunctions	Exclusion Suggestions
Indicator light does not come on	Abnormal front-end input power supply	Troubleshoot the front end input power lines.
	Abnormal AC cable (broken, loose, etc.)	Line up the cables.
	Anomalies within the charging pile	Contact Technical Support.
Red Light Flash 1 Time	CP protection	Cannot be recovered after reboot, contact technical support.
Red Light Flash 2 Time	Input voltage below 90V	Check that the input voltage is in the normal range.
Red Light Flash 3 Time	Input voltage above 265V	Check that the input voltage is in the normal range.
Red Light Flash 4 Time	Leakage Protection	Danger of current leakage exists, disconnect the front-stage circuit breaker and reapply power after 5 seconds.
Red Light Flash 5 Time	Output current exceeds set upper limit	Reduce the vehicle charging current, or adjust the charging post current.
Red Light Flash 6 Time	PCB motherboard over-temperature protection	Stop charging, or reduce the power.
Red Light Flash 7 Time	E-stop Button Malfunction	Cannot be recovered after reboot, contact technical support.
Red Light Flash 8 Time	Grounding	Check that the installation is properly grounded.

Adding Devices

1) Application download

Download the Smart Life App from the App Store.



Smart life APP

2) Configure the Charging Device Network

Ensure the charging device and the mobile phone are on the same WiFi network (5G band WiFi is not currently supported) and that the phone located near the charging device. When the device is powered on, open the Smart Life APP. The networking status of the charging device will be displayed as follows:



Wait for the network



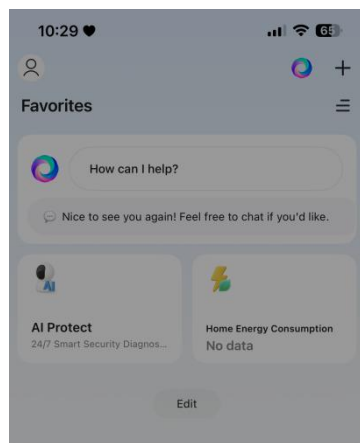
Connected



Unconnected

If there is a timeout or network distribution failure during network configuration, please check whether the WiFi network has been connected and the router is working in the 2.4G band, or if the phone is too far away from the charging device, resulting in Bluetooth connection failure. If these situations occur, repeat the above operations to successfully configure the network.

Demonstration of distribution network operation process:



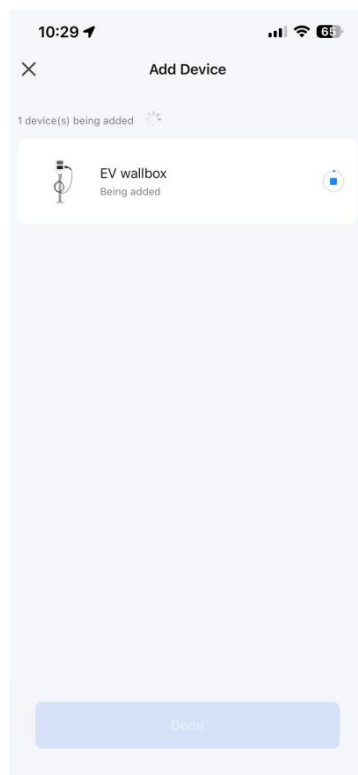
Devices to be added: 1



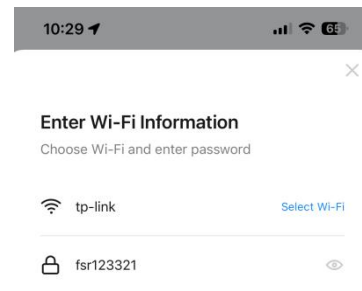
EV wallbox

Add

Step 1:
Adding devices

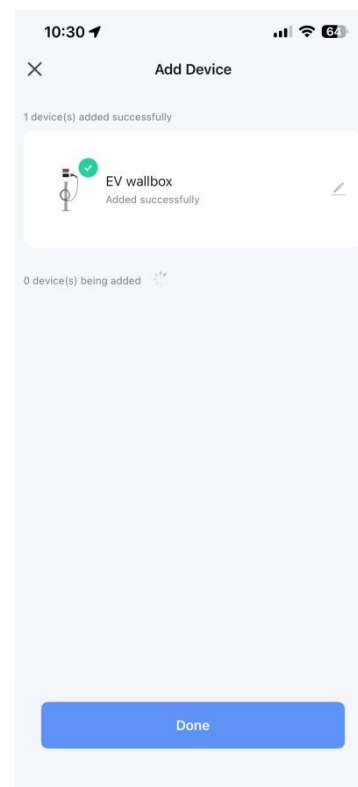


Step 3:
In matching device

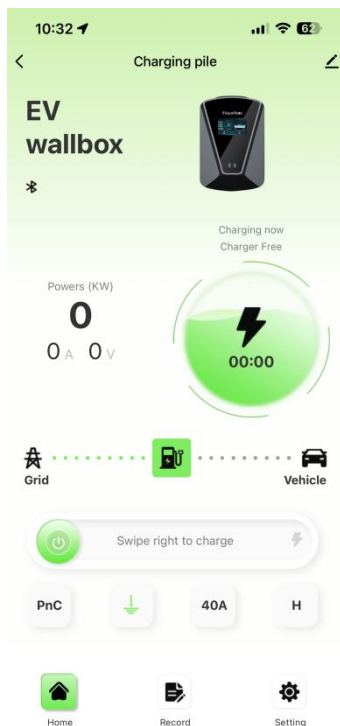


Next

Step 2:
Input WIFI and password



Step 4:
Enter the device



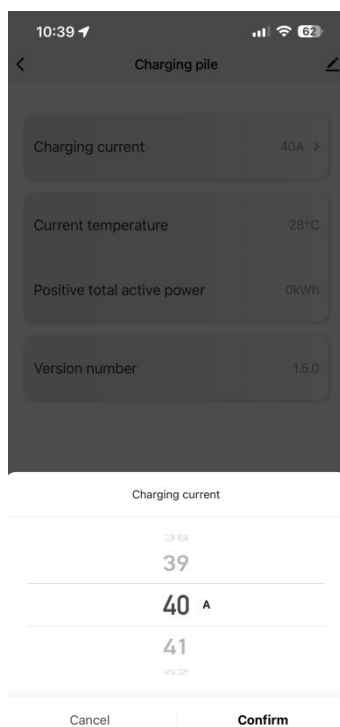
Waiting to start charging



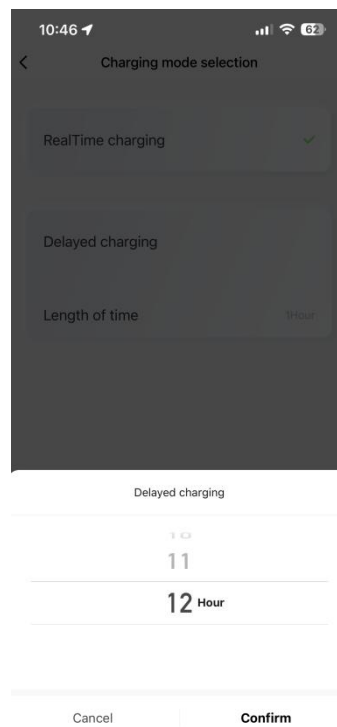
During charging



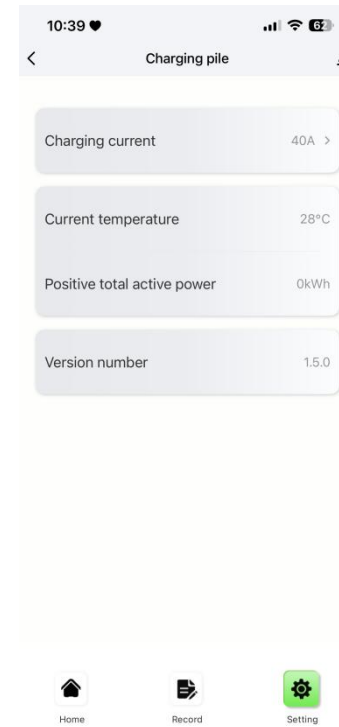
End of charging



Set charging current



Set delay time



Setting interface

Product Installation and Maintenance Record Form

Product Name		Product Model		
Installing Entity		Installation Date		
Maintenance Date	Fault Details		Maintaining Entity	Maintenance Personnel
	Fault Description	Replaced Parts		



evwallbox@hotmail.com

Please contact us