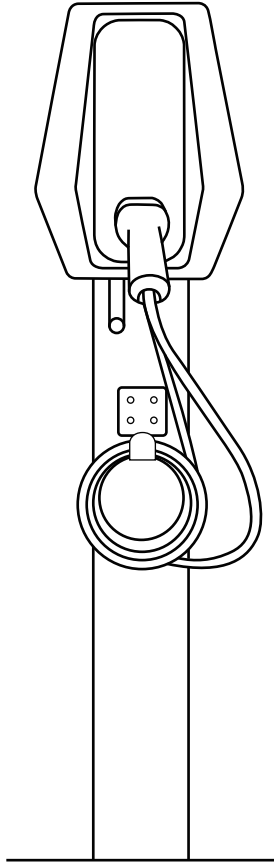

AC EV CHARGER

User's Manual



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IMPORTANT SAFETY INSTRUCTIONS

WARNING

When using electric products, basic precautions should always be followed, including the following.

This manual contains important instructions for Models EU-ACHXXX-48/32/16-XXXX that shall be followed during installation, operation and maintenance of the unit.

- A) Read all the instructions before using this product.
- B) This device should be supervised when used around children.
- C) Do not put fingers into the electric vehicle connector.
- D) Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
- E) Do not use this product if the enclosure or the EV connector is broken, cracked, open or shows any other indication of damage.
- F) Before turning on the equipment, please ensure that the equipment is well grounded to avoid personal injury or death caused by electric shock.
- a) 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.
- G) The charging current must never be set higher than the line fuse itself. If the charger is to be operated with an output of 7 kW and 11 kW, it must be protected with an 50 A over current protection device (such as fuse), and 11kW with a 50A over current protection device (such as fuse). Ensure the current carrying capacity of the AC.
- H) Do not disassemble the product without permission, and do not modify or install any parts by yourself under any circumstances
- I) When the equipment is installed, please keep away from volatile gas or flammable environment;
- J) The electrical installation must comply with all local applicable safety requirements, standards and guidelines.
- K) Before powering on the equipment, please ensure that the input voltage and power frequency meet the technical requirements of the equipment
- L) During the charging process, the vehicle is prohibited from driving and can only be charged when it is stationary
- M) Please turn off the electric car before charging
- N) In case of any abnormal situation during use, please immediately press the side emergency stop switch button to cut off the input and output current source
- O) Components should not be changed or replaced by the end-user or unqualified personnel.

symbol	meaning
	<p>Risk of danger, warning and caution Safety information important for human safety. Failure to observe the safety information in this manual may result in injury or death.</p>
	<p>"Non-recyclable" mark: located on the product, instruction manual or package, indicating that electrical and electronic equipment and its accessories should be treated separately from ordinary household waste. When scrapped, it should be treated as industrial waste, otherwise it may cause accidents.</p>
	<p>Warning sign: indicates danger. Pay attention to the personal injury that may be caused by operation procedure or incorrect operation. Beware of high voltage and operating current. The EV charger operates at high voltage and current. Work on the EV charger must only be carried out by skilled and authorized electricians.</p>
	<p>Refer to the manual accompanying the EV charger.</p>

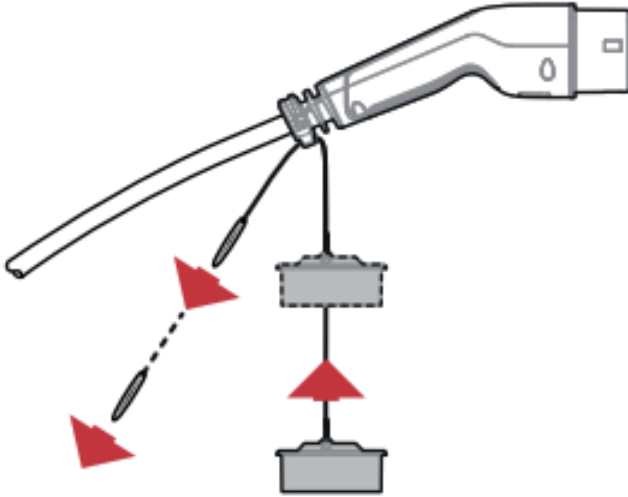


SAVE THESE INSTRUCTIONS

Store and Protect:

Coil the cable Roll the cable around the charging unit. Make sure that the plug hangs with the plug cap facing the ground. Attach the clip to the charging cable. Use the plug cap The plug strap can adjust the cap's position.

This prevents the cap from collecting water and dirt, and keeps the cap clear of the vehicle.



Maintenance and Care

WARNING

Do not flush water on the charging station. Do not use harsh chemicals when cleaning.

Checking

- 1.Keep the plug dry and check them regularly for dust, dirt, pebbles, etc..
- 2.Check the cable regularly for cracks and other damage.
- 3.Check the charging station regularly for cracks and other damage.

Cleaning

- 1.Switch off the charging station before cleaning.
- 2.Use a damp cloth to clean. Do not use water or harsh chemicals.



IEC 61851-1



UKCA



CE



MACHINE AND PRODUCT TEST



ISO9001



ENERGY STAR



ETL



FCC



ECM

① PRODUCT PARAMETERS

• CHARGING PILE

- TFT screen Easy installation
- High compatibility
- Waterproof grade:IP56
- Small size, Easy to transport
- Multiple security protection
- Certified by authorities
- Real-time monitor on temperature



Indicator Light
TFT Display

Transport Package

Package Size (W/H/D)	515/392/240mm
G.W./N.W.	9.6/8KG
Packing Quantity	1in 1 carton

• EV CONNECTOR

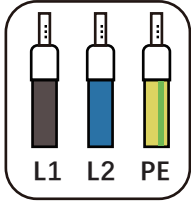
- Built in temperature monitoring
- Good conductivity
- TPE CABLE
- Durable and anticorrosion
- Easy to bend, Long service life
- High resistance to cold/ high temperature

• CORE ADVANTAGE

- RCD: CCID20
- Directional current regulation
- Repair the disorder of capacitor units
- Full-link temperature monitoring system
- Strong Expansibility



Model B EV Charger Data Sheet			
WALL-MOUNT EV CHARGER		AMERICAN STANDARD	
PARAMETER	Product Name	32A AC EV Charger	48A AC EV Charger
	Item No.	EU-ACH1BX-32	EU-ACH1BX-48
INPUT	Power Input Cable	L1,L2,PE	L1,L2,PE
	Voltage Range	110-240V	110-240V
	Rated Current	32A	48A
OUTPUT	Rated Voltage	110-240V	110-240V
	Rated Current	32A	48A
	Rated Power	7kW	11kW
FUNCTION	Plug Type	Type 1/ Tesla	
	Cable Length	5M	
	Housing Material	PC6110 (-20°C-80°C)	
	LED Indicator Lamp	Support	
	Screen	4.3" TFT Screen	
	RFID	Optional	
	Charging Way	AC EV Charging	
	Emergency Button	Support	
COMMUNICATION	Electronic Lock	Optional	
	WiFi	Support	
	Bluetooth	Support	
	Ethernet	Optional	
	4G	Optional	
	RS485	Optional	
SAFETY	OCP 1.6J	Optional	
	TLS 1.3	Optional	
	Electricity Metering	Support, but not as basis for billing	
	RCD	CCID20	
	IP Rate	Connector IP67/ Control Box IP65	
	Safety Protection	Emergency Stop/ Over Voltage Protection/ Under Voltage Protection/Over Current Protection/ Leakage Current Protection/ Ground Protection/Over Temperature Protection/ Short-circuit Protection/ Lightning Protection	
	Safety Standard	UL2231, UL2594, UL991, UL1998, FCCpart15B, NB33008.1	
INSTALLATION	Certification	ETL, CSA, ENERGY STAR	
	Warranty	Two Years	
	Installing Type	Wall Mount/ Pillar Style	
	Working Temperature	-20°C-50°C	
	Working Humidity	5%-95%	
	Dimension	360/250/115mm	
CHARGER GUN	Net Weight	7.3KG	
	Gross Weight	8.7KG	
	Connection Type	Case C/ Mode 3	



Temperature Monitoring

Monitor the working temperature of the charger at all times, Once the safe temperature is exceeded, the charger will stop working immediately, and the charging system can be auto-resumed when the temperature returns to normal.

Intelligent Chip

Automatically fix the non-hardware faults during charging.

Complete Certification





The product has passed all relevant certifications, ensuring that the product can be sold and used with confidence.

APP Control

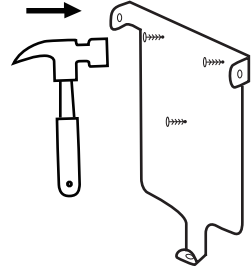
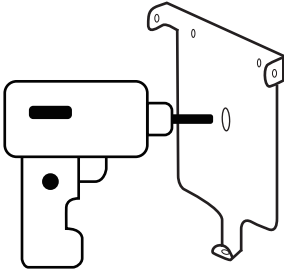
All the charging parameters could be set and showed on the APP.

It will be convenient for operation. Also the charging system will be upgrade through APP.

Light Working Condition

Green Light 	Stays On	1.chargers available, the car already plug into the chargers and ready to charge.
	Flashing	2.Charging completed Charging
Red Light 	Stays On	Error to work, pls contact operator
	Flashing	The charger failed to connect to the vehicle successfully
Blue Light 	Stays On	Charging available
	Flashing	The charger has been successfully connected to the vehicle and starting charging
Yellow Light 	Stays On	It is in standby mode, with the vehicle not connected for charging or the charging plug not removed
	Flashing	Bluetooth signal is being released. The app is in the process of pairing.(After successful pairing, the yellow light stays on.)

A. Wall Mounting

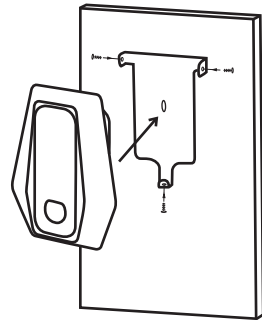
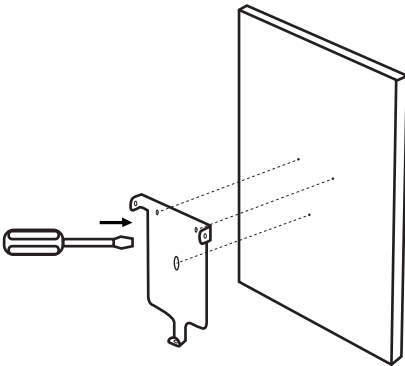


1. Take out the backboard.
2. Mounting the Wall Dock.

Mark the holes on the wall or standing.

Align the wall mount with your straight lines and mark the three corresponding circles you'll need for drilling.

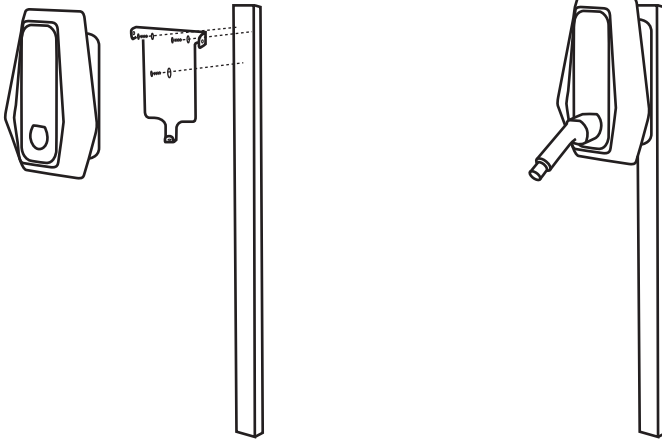
3. Tap in the anchors into the wall hole.



4. Line up your wall mount and screw in the provided three M4.0. Tighten for a secure mount.

5. Install the charger on the backplane on the wall. Lock the anti-theft screw on two sides and bottom of the charger, and place the plug seat in an appropriate place.

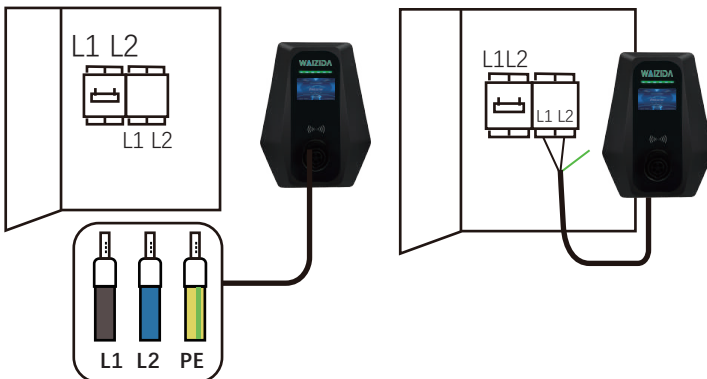
B. Pillar Style



1. Mark the holes on the standing and drill the holes
2. Line up your wall mount and screw in the provided three M4.0. Tighten for a secure mount.
3. Install the charger on the backplane and lock the anti-theft screws.

4

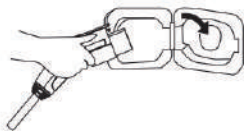
STEPS FOR WIRING



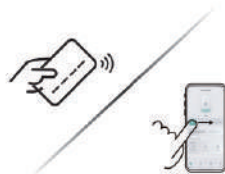
If a power distribution box is used, the L1, L2, and PE ends of the input cable of the plug correspond to the L1, L2, and PE ends of the circuit breaker respectively.



1. Make sure the charging box is connected power.



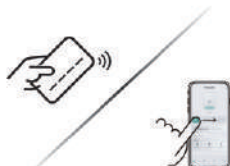
2. Connect the EV and the charging box with the EV charging cable.



3. Use swipe card or APP to start.



4. The vehicle is charged normally.



5. Click the APP or swipe the card to end.



6. Unplug the device and wrap the cable around the hook

- **NOTE:** 1.After the vehicle is fully charged,the device will automatically Stop charging
- 2.Please read the instructions carefully before use

Error code & Light Working Condition

Error code	Fault description
E01	Ground fault
E02	Earth leakage protection
E03	Input overvoltage
E04	Input undervoltage
E05	Overcurrent protection
E06	CP fault
E07	Emergency shut down
E08	Car stop
E09	Fire-zero line reverse connection
E10	Temperature sensor fault
E11	Relay open circuit
E12	Relay adhesion
E13	Relay overtemperature
E14	Powerdown



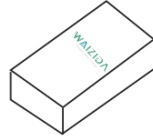
LOGO in the Display



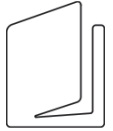
Product Nameplate LOGO



Front Panel Customization



Packing Box Sticker Customization



Manual Customization

- **NOTE:** The above customization has quantity requirements, please confirm with sales staff for details.

How to enter the back-end to change OCPP link or 4G APN number

Step 1: Power on EV charger

Step 2: Open the Wi-Fi on your mobile phone or laptop and search for a Wi-Fi connection to the charging station (starting with ESP32). **Password: 12345678**



Step 3: Enter the back-end IP address in the browser. The default is 192.168.4.1

Enter the back-end, change the OCPP link (Server URL) and Charger ID (Pls make sure the charger ID is same as the devices ID)

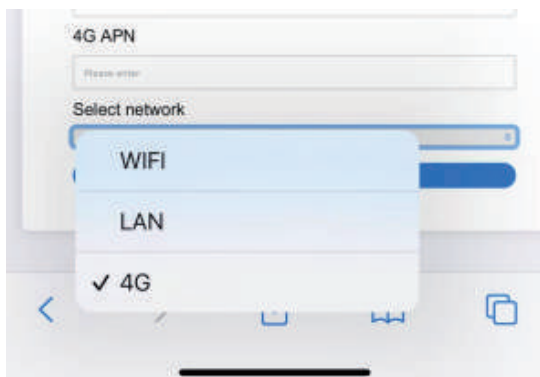
Server URL format is: Host name - port number - path



Step 4、 Selection of networking mode

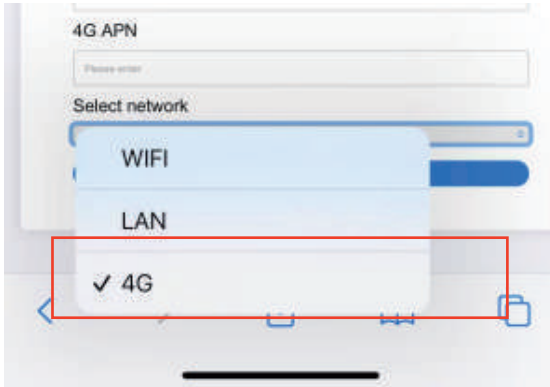
①WIFI connection

Enter the WIFI name and password, Select WIFI in the "Select network" option, and finally click "Save" to save.



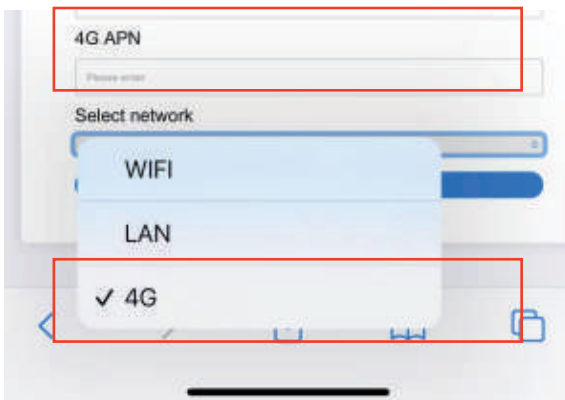
② Ethernet connection (LAN connection)

Connect the Ethernet cable of the charger to the network, Select "LAN" in the "Select network" option, and finally click "Save" to save.



③ 4G Connection

Inserting the 4G sim card into the charger, enter the APN of the corresponding 4G operator in the "4G APN" of the background configuration interface, Select "4G" in the "Select network" option, and finally click "Save" to save.



Step 5、 After the EOS platform connection is successful, the QR code will be displayed on the screen. The users can scan the QR code via EOS app and start charging.

