



**Electric vehicle AC charging
pile products**

Instruction manual

(Please read this manual carefully before using the machine)

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1.1 About this specification

This manual is applicable to the use, operation, maintenance, inspection, troubleshooting and technical performance of AC charging pile and other contents are described and explained. Please read this manual carefully before use and keep it properly for later reference.

1.2 Safety rules

- During the installation and replacement of the charging pile, the power supply must be cut off to prevent electric shock.
- The cable of the charging pile must be firmly connected, well insulated, and loosely connected. Damage may cause circuit failure, or even death or fire.
- The installation and connection of charging piles to the power grid must be operated by professional personnel.
- The dropped charging pile can not be installed directly even if the appearance is not damaged, and must be inspected by professionals to determine whether it can be installed.
- This charger cannot be rinsed with water.
- Any failure that may affect the safety of the charging pile must be eliminated by professional maintenance personnel.
- The product is installed by professional technicians, unauthorized installation changes cause security accidents, if the loss, the company does not assume any responsibility.

2.1 Summarize

Multifunctional AC charging pile is an industrial product specially designed for charging electric vehicles. The product is installed outdoors, waterproof, dustproof design, protection class IP55. This product is characterized by man-machine interaction interface, easy installation, easy maintenance and so on.

2.2 Product type

Home charging pile	Plug and charge	3 Light board/Water light strip /2.4 inch screen /4.3 inch screen
	Swipe card charging	3 Light board/Water light strip /2.4 inch screen /4.3 inch screen
	Bluetooth WiFi	3 Light board/Water light strip /2.4 inch screen /4.3 inch screen

2.3 Normal service condition

- The altitude does not exceed 2000m
- Ambient temperature of the device ranges from -30 ° C to +50 ° C
- The maximum relative humidity of the surrounding air does not exceed 75% (when the ambient air temperature is 40±5°C)
- Mounted on solid brick walls or metal supports
- No conductive or explosive dust, no gases or vapors that corrode metal and destroy insulation at the site of operation
- Outdoor operation, the product can be installed outdoors.

2.4 Product main technical parameters

Product name	Ac charging pile for electric vehicles
Maximum output power	European standard 7kW/11kW/22kW (optional) American standard 7.6kW/9.6kW/11.5kW optional
Input voltage range	AC80V-265V/AC380V \pm 15% (optional)
Input voltage frequency	50Hz/60Hz
Output current range	32A/40A/50A (optional)
Operating temperature	-30°C to +50°C
Storage temperature	-30°C to +70°C
Class of protection	IP55
Line length	5m
Installation mode	wall/column type (optional)
Charging mode	Plug and charge/Swipe card start/ stop/Bluetooth WIFI(optional)
Altitude	up to 2000m
Relative humidity (Max, value at 40°C)	75%

2.5 Product characteristics

- The use of high stability, high performance ARM chip, coupled with powerful system resources to make the product more stable and reliable;
- The display interface is a large-size LCD screen with rich information, clear and rich high-resolution display, and beautiful interface;
- It has perfect protection function: over-voltage and under-voltage protection, AC input and output over-current protection, output current limiting, over-current protection, over-temperature protection, lightning protection, etc.
- The panel is made of PC material, and the case is made of cast aluminum, which is compact, exquisite and durable.
- The whole machine structure is designed to prevent rain and dust, and the protection grade is IP55

Three、Instructions for use

3.1 Home version

Home mode can be divided into 2 products: plug and play; Swipe card to start;

plug and play: the gun is connected to the electric vehicle, automatically start charging, and automatically stop charging after charging.

swipe card free start: the gun is connected to the electric vehicle, swipe card free start charging; Swipe the card again to stop charging.

3.3 Working status indication

	3-lamp model	Water lamp	Screen size (1.3/2.4)	Screen size (4.3)	Remark
Power on, standby/Reserve	Power green Steady on	White light strip Steady on	Display standby without charge	Voltage scheduling	
Charging	Charging green light sparkle	Green light strip Water cycle shining	Charging	Charging	
End of charge	Charging green light Steady on	Green light strip Steady on	Over	Current null	
Fault: The current is too large	The fault red light is 0.5S sparkle	Yellow light bar 0.5S sparkle	Over current	Overcurrent	
Fault: Temperature alarm	The fault red light is 1.5S sparkle	Yellow bar 1.5S sparkle	Overheat	Over temp.	
Fault: leakage	Fault red for 2 seconds sparkle	Yellow light bar 2 seconds sparkle	Overcurrent	Leak current	
Fault: Overvoltage or undervoltage	Fault red for 4 seconds sparkle	Yellow light bar 4 seconds sparkle	Under/overvoltage	Over voltage Under voltage	

3.4 Operation precautions

1, in the charging process, the user shall not directly forcibly pull out the charging gun!

2, if you need to stop charging in advance, please operate according to the specification, stop charging first and then draw the gun;

3, if there is a safety accident during the charging process, such as abnormal sound, short circuit and other emergencies,

You can press the emergency stop button to disconnect all power supplies and immediately contact site management or call the manufacturer for advice.

3.5 OCPP interconnection process

1. Server IP port (provided by the customer)
2. The number below the QR code of the test pile number machine
3. Test account (to be provided by customers)
4. After the customer provides it, the engineer connects to it in the background

Four、How to use Bluetooth and Wifi

Power Assistant APP Bluetooth version instructions

Download link:



Download QR code for Android app



Download QR code for Apple mobile app

Android phones can download apps

Android phone download link:

<https://ev.weguyun.com/device/download>

Apple phones need to download and search for "WeGoodCharger" in the app store

Apple Phone Download Link:

<https://apps.apple.com/cn/app/wegoodcharger/id6466698087>

1. Sign up 1to login

1. There are two ways to use our product

① Enter your email and password to sign in, if you are logging in for the first time, click "Register" to register. (Follow the red box in the picture below)

② Direct click "bluetooth" to select the corresponding



2. Bluetooth and WiFi the charging page is displayed

1.To use Bluetooth and WiFi you must complete the first step of "Sign up to login"

2.Direct click "Bluetooth connection", then select the corresponding Bluetooth connection

If it is the first time to use WiFi, you need to perform network distribution

3.①To distribute the network, click the figure above "WiFi Config"

Select WiFi name and enter password. When the device changes from offline to online in the device list, the connection is successful

4.②Then click the figure above "Scan to bind", code scanning binding is performed.

5.③Then click the figure above "Device list" then click this figure "Device control!", the charge control page is displayed



3. Go directly to the charge control page

1. Open the APP, click "Bluetooth", the first connection needs to enter the password

2. Tap charging pile device Bluetooth



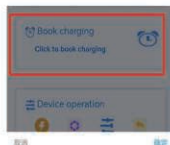
3. Enter your password in the red box below and you will be taken to the Charge control

4. Charging control page use details

1.If "Connected" is displayed on the device screen or APP device details interface, you can start charging at any time, otherwise you need to reinsert the charging gun, or click "Start charging" -> "Device Operation" -> "Device Control" -> "Restart Charging pile" on the APP, wait 5 seconds until "Connected" is displayed on the device screen or APP(device details interface or "Device Port"). Then you can turn on charging at any time.

2. Click the "Start charging" button in the lower left corner of the APP device details interface to enter the Bluetooth control page. Click the "Charge now" button in the device operation bar to start charging the device, and the button changes to "Stop charging" button. Click the "Stop charging" button to stop charging the device.

3. Click the "Appointment charging" button to make an appointment for charging time, set the charging time and then click "OK" to make an appointment for charging, and then click again to cancel the appointment for charging after success.



5. Device control and setting

Click "Start charging" -> "Device Control" to enter the setting page, you can set "chargingcurrent", and whether to "connect automatic charging", you can restart the charging pile

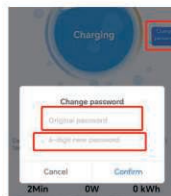


6. Non-inductive Connection Charging

In the Settings, the function of "Connected automatic charging" is enabled by default, so as to ensure that the port of the charging gun is connected, open the APP, connect the Bluetooth, enter the password, and automatically start charging without subsequent operations.

7. Change the password

Click the "Change Password" button on the right side of the device details screen, enter the old password and the new password, and click "Confirm" to change the password.



If you forgot your password, please follow the steps below
① click 'Forget password'

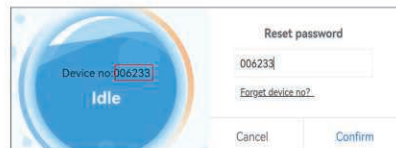
Please enter the operation password.

6-digit numeric password.

Forget password?

Cancel Confirm

② Enter the device number to reset to the initial password

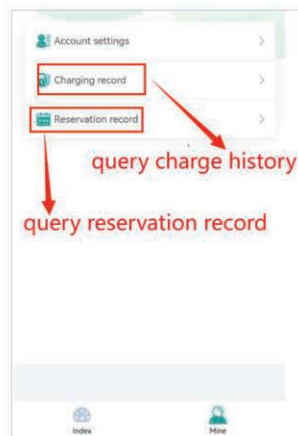


Prompt

The password will be '123456'

CONFIRM CANCEL

8. Query log



The equipment operates in a normal working environment, and generally does not require special maintenance during its life, but because it is an outdoor operation equipment, it is generally necessary to clean the dust on the inner surface of the equipment for 3-4 months to prevent short circuit caused by dust accumulation.

6.1store

If the product is not used immediately after purchase and needs short-term or long-term storage, the equipment should be stored in a dry and well-ventilated indoor place, away from high temperature, humidity, dust and metal powder environment.

6.4Warm reminder

- The charging pile can be installed indoors and outdoors; After the user finishes using the charging pile, please insert the gun back into the fixed base;
- Before the user uses the charging pile, please tighten the handbrake on the car.

7.1 Precautions for use

1, the use of power supply must be consistent with the requirements of the equipment, power cord, ground must be reliably grounded.

2, please strictly follow the design parameters and conditions of use during use, do not exceed the threshold in this user manual, otherwise it may damage the equipment.

3, please do not change the specifications of electrical components, do not change the internal line or graft other lines.

4. After the charging makeup is installed, if the charging pile cannot be started normally after the device is connected to the power supply, please check whether the power connection is correct.

5, the equipment has limited dust and waterproof capabilities, the use of the process should pay attention to anti-static, anti-tide, waterproof, such as the equipment has water should immediately power off and stop use.

6, the equipment has limited anti-theft function, please install in a safe and reliable environment.

7, please do not plug and unplug the charging gun during the charging process, so as to avoid irreversible damage to the charging pile and the car.

7.2 General troubleshooting

Fault description

Fault phenomenon	Possible cause	Treatment method
Charging pile LED or The display is not bright.	The power supply is not connected properly	Check whether the incoming power cable is powered on and the power switch is on
	Breaker trip	The circuit breaker installed at the front end of the charging pile should have leakage trip Function; check the front-end circuit breaker and close the circuit breaker switch
	Equipment damage	Please contact the customer service center for repair
Unable to start charging	The charging gun is not fully connected	Check that the charging gun is connected to the vehicle socket. Reliable. Make sure the charging gun is plugged into the bottom of the socket
	The card does not match the charging pile	Please use the correct card to charge, if Please contact the customer service center to replace the lost card
	The emergency stop button is pressed	Rotate the emergency stop in the direction indicated by the emergency stop button. The switch restores the scam switch to normal
Charge current less than Rated value	Vehicle acceptance limit or Vehicle near full	The device provides current according to the demand of the vehicle charger. The maximum current value accepted by the vehicle can be referred to the vehicle manual. When the vehicle battery is nearly full, the charging current will decrease, which is normal. If not, please contact the customer service center for repair
The fault light is on	The fault light is blinking	Contact the customer service center for repair
	The fault light is on	Contact the customer service center for repair

7.3 Question and explanation

1 Line problem

a charging pile single cable with a minimum of 3x6 or 5x6 square the length shall not exceed 40 meters, more than 40 meters, please choose 10 square cable.

b 7KW equipment should use at least C63 2P circuit breaker, 11KW equipment should use at least C63 4P circuit breaker, 22KW equipment should use at least C100 4P circuit breaker.

2 About being able to start charging without current

a There is a battery icon on the upper right of the display interface. If it is gray, it indicates that the S2 switch of the vehicle is not closed. The charging pile is waiting for the vehicle S2 switch to close. If it does not close for a long time, please try to power the vehicle without firing.

3 Overvoltage and undervoltage

a Overvoltage or undervoltage is displayed in the lower right corner of the device. Please check the line. The voltage may be high or low. Use a multimeter to measure the value of the wire at the inlet of the device, and then measure the voltage at the inlet of the distribution box. 4 Leakage alarm

a If there is leakage on the device screen, it may be the vehicle leakage or the screw at the device inlet wire is not tightened. First check whether the device inlet wire is tightly connected. If not, please change another car to charge it for a test.

7.4 If there is an abnormal situation in use, please refer to the general troubleshooting ", if you still can not eliminate a fault, then please cut off the power of the charging pile, and contact our customer service center.

1, the warranty period of this product is two years, then please provide the purchase proof, as the product warranty proof.

2, During the warranty period, in accordance with the instructions for normal use under the condition of non-human failure (judged by the company's formal staff), to be repaired.

3. Charging equipment can enjoy the above related warranty terms except for the following problems:

1) Unable to provide this warranty certificate, or the content of the warranty certificate is inconsistent with the physical identification of the repaired goods or altered;

2) Unable to provide a valid invoice;

3) Beyond the warranty period specified by the manufacturer;

4) Failure to use, maintain and keep the product according to the requirements of the user manual and cause damage;

5) Foreign bodies enter and cause damage or failure;

6) Damage caused by disassembly by non-undertaking three-package repairers;

7) Damage caused by force majeure (such as lightning, excessive voltage, earthquake, fire, flood and other natural disasters);

8) Failure and damage caused by other unavoidable external factors;

9) Damage caused by improper use of water or other solutions to the equipment;

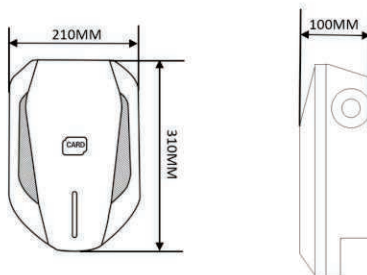
10) Damage caused by the use of power supplies and voltages other than those specified.

4, for products that exceed the warranty period or are not covered by the warranty, we provide paid maintenance services.

5. Only the above warranties are made without any other express or implied warranties (including merchantability, the implied warranties of the reasonableness and adaptability of a particular and application, etc.), whether in contract, civil negligence, or other aspects, the Company shall not be liable for any special, occasional or indirect damages.

Nine、Installation instructions









9.1 External Structure



9.2 Package Contents

Unpack the product. Please check and verify following items after receiving the charger:






- Visual inspection on chargers external appearance. If there is any breakage or other damage, please notify the seller immediately.
- Check type and quantity of all accessories as follows. If there is a shortage in the quantity of any item or if any items are missing, please contact the seller at once.

				
	User Manual (x1)	φ6 Expansion Pipe(x7)	M4.8*19 Screw(x4)	Installation cardboard (x1)
	The holder (x1)			
		RFID CARD (x2)	M4*40 Empty seat screws (x3)	

Operation Instruction

3.1 Installation Preparation

1) Tools required

Tool Name	Photo	Function
Multimeter		Check electrical Connection and electrical parameter
Cross Screwdriver (PH2x150mm, PH3x250mm)		Tighten the screws
Insulated Torque Wrench		Tighten the bolts
Electric drill		Hole on the wall
Diagonal Pliers		Cut cables

2) Cables & Materials

Name	Specification	Quantity
Power supply cable	Singl-ephase or three-phase power supply cable	Depend on actual requirement

3.2 Installation Process

1) Installation Notice

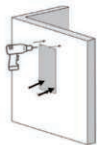
- Electrical devices should only be installed, operated, and maintained by qualified personnel. No responsibility is assumed by the manufacturer for any consequences arising out of the use of this device. A qualified person is one who has certified skills and knowledge related to the construction, installation and operation of this type of electrical device and who has received safety training to recognize and avoid the hazards involved.
- All applicable local, regional, and national regulations must be applied when installing, repairing and maintaining this device.
- RCD of the charger is intergrated 6mA DC, please install a Type A breaker outside.

2) Checks before starting the Installation Process

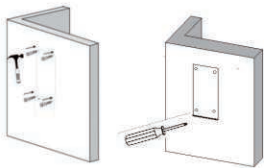
- A. Ensure the chargers location allows good operational access for normal use and repair & maintenance.
- B. The AC input components within the premises power supply are correctly fitted with required protection items prior to installation of the charger.

3) Installation Procedure

1. Please use a percussion drill to drill holes according to the cardboard Positioning



2. Install expansion bolts(4*M4.8*19MM),Secure the mounting backplane



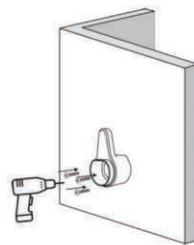
- 3.Hang the charging pile on the mounting backplane



4. Use a cable with a size of

3*10AWG(32A)/3*9AWG(40A)/3*8AWG(48A)/5*12AWG(16A)/5*10AWG32A/3x6(32A)/5x6(32A three-phase)/5x2.5(16A three-phase)to connect to the input terminal of the charging station, from left to right,N / L and PE wire, and then tighten the screw with a screwdriver.

5. Fix the hook on the wall with screws (3*M4*40mm)



6. Lock the cover and start to test and charge

