

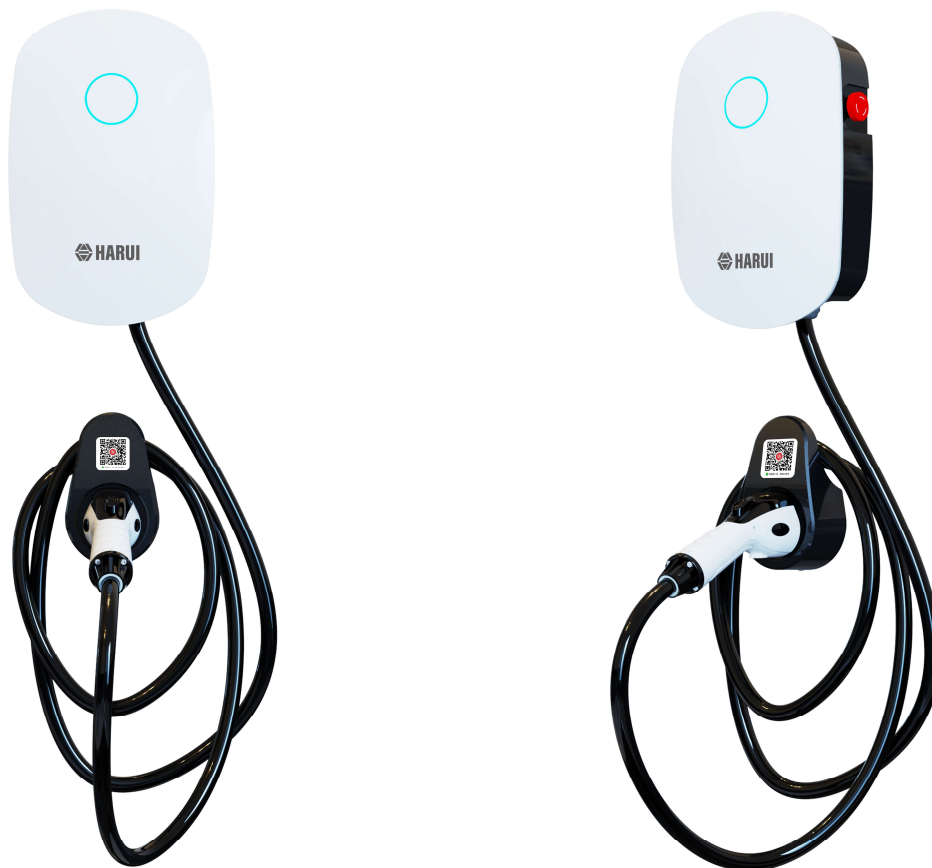
Zhongshan Harui Trading Company

AC charging pile

(7KW European standard)

Product instructions for use

(V1.0 - 02.2023)



Zhongshan Harui Trading Company LTD

(Please read this detail instruction before using this machine)

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Chapter I meets the standards

Designing by Zhongshan Harui Trading Company of the wall-mounted AC charging pile conforms to the following national and industrial standards:

- (1) *IEC 62196-1* 《Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements》 ;
- (2) *IEC 62196-2* 《Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility requirements for AC pin and contact-tube accessories》 ;

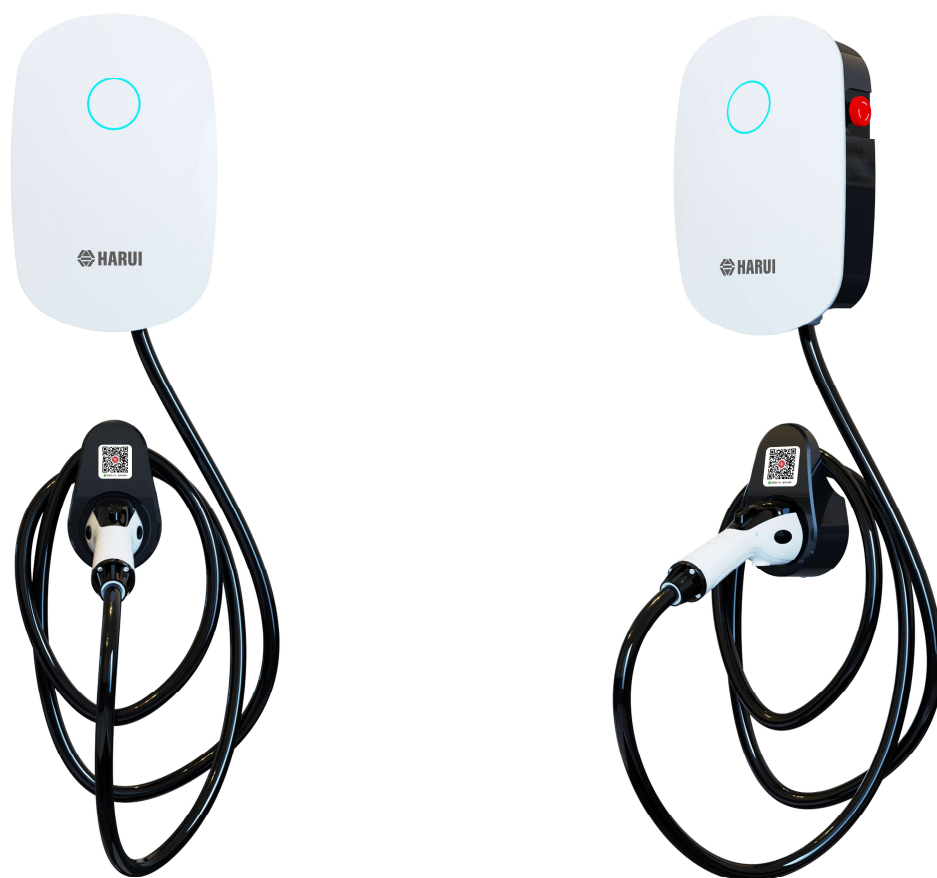
Chapter II Scope of application

The wall-mounted AC charging pile is designed in accordance with the requirements of the latest national standard. It is suitable for all electric vehicles that meet the national standard requirements and have on-board chargers, and provides AC energy charging, which is applicable to a wide range of scenarios:

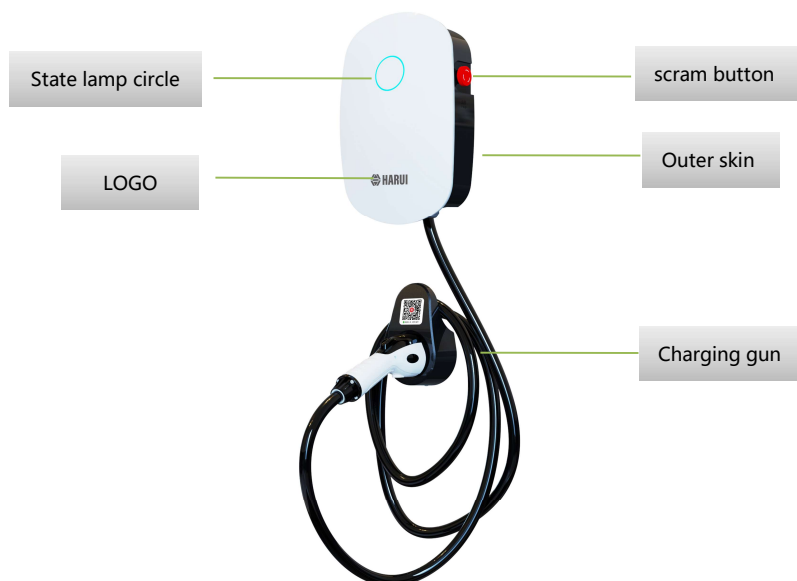
- (1) All kinds of large, medium and small public parking lots;
- (2) New commercial district parking lot;
- (3) Company unit and the internal parking lot of the community;
- (4) Private owned parking space ;
- (5) Centralized and decentralized charging stations, etc.

Chapter III Product Appearance Overview

3.1. Product overall display



3.2. Product parts introduction



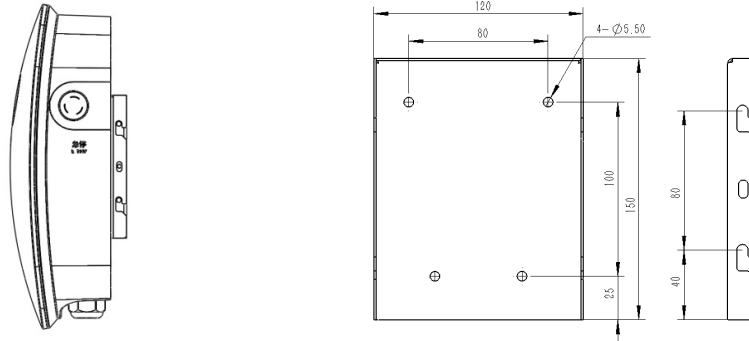
3.3. Equipment installation and fixing

3.3.1 Equipment assembly parts

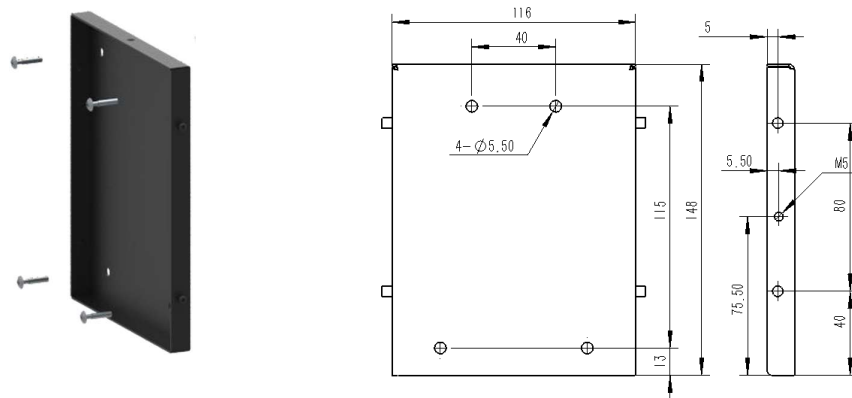


3.3.2 Equipment installation and fixing

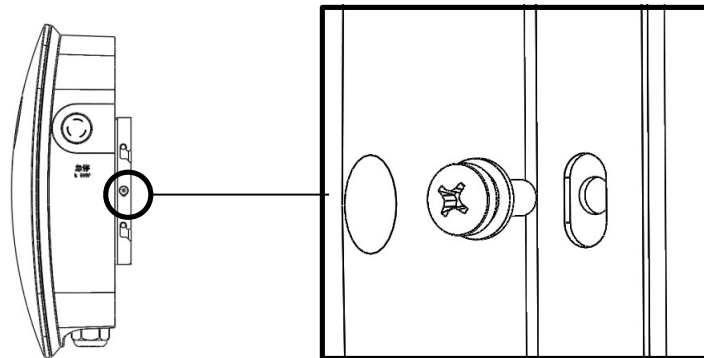
Step 1: M5 * 8 cross coil head screws are used to secure between the charging pile and the wall-mounted component A



Step 2: Use the expansion pipe and self-attack screws between wall-mounted component B and the wall to fasten;



Step 3: Install the charging pile with wall-mounted assembly A together with wall-mounted assembly B and secure it with M5 * 8 screws.



Chapter IV Main features of products

This AC charging pile is a new product designed according to customer needs, which has the characteristics of small size, light weight, high charging efficiency, small footprint, and fashionable appearance and fashion.

Charging pile design has a variety of perfect protection, including AC leakage protection, lightning protection, charging current over current alarm and protection, charging voltage over voltage, under voltage protection, emergency stop protection, etc.

The AC charging pile has the following functions and characteristics:

- (1) **Secure and stable:** The wall-mounted AC charging pile has reliable electrical safety protection function, can be anti-theft, dust proof, waterproof, stable operation, can ensure long-term reliable operation. The protection level meets the outdoor IP65 level;
- (2) **System integration:** The functions required by the whole charging pile, such as charging function, man-machine operation and safety protection function, are highly integrated. The system structure is simple, easy for production, and the operation is stable and reliable;
- (3) **Easy to use:** Man-machine interface is kind to user, simple and clear, easy to operate;
- (4) **Small footprint, convenient installation:** The area and space occupied by the whole charging pile are very reasonable, which improves the utilization rate of space and facilitates the installation and application in the area with tight land use ;
- (5) **Connection confirmation:** Can tell if the charging connector is properly connected. When correctly connected, the charging interface can output the power supply. When the charging joint is abnormally disconnected, the AC charging pile will immediately stop the output to ensure personal safety and

charging safety;

(6) **Multiple protection:** The charging pile has the function of output over voltage, under voltage and overload protection. When the charging voltage exceeds the over voltage protection value or falls below the under voltage protection value, the charging pile stops charging to protect the charging equipment. When the charging current exceeds the load current fixed value, the alarm signal is sent out and the charging power supply is automatically cut off;

(7) **Charging pile has the function of short-circuit and leakage protection;**

(8) **Controller three prevention (moisture, mildew, salt spray) protection and rust protection:** The printed circuit board, connector and other circuits in the pile are treated against moisture, mildew and salt spray, to ensure that the charging pile can operate normally in the outdoor humid and salt-fog environment. The charging pile shell and the exposed iron support and parts adopt double-layer anti-rust measures, and the non-iron metal shell has been used with anti-oxidation protective film or anti-oxidation treatment;

(9) **Appearance is beautiful:** The overall appearance design is simple and generous, can be customized various styles theme mask .

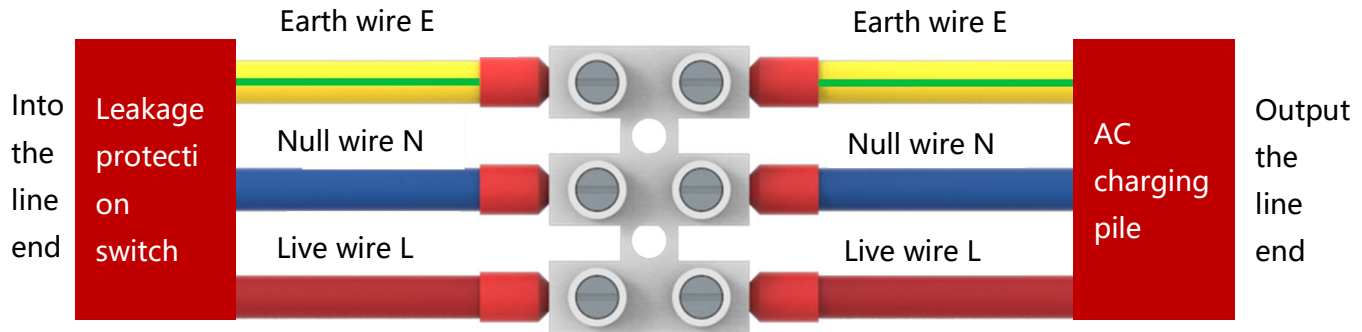
Chapter V: Product Performance Parameters

Item	The parameter name	Qualification	Remarks
Electrical parameters	Input voltage	AC220V±15%	
	Incoming frequency	50Hz±1Hz	
	Rated current	32A	
	Power rating	7KW	
	Standby power consumption	<6W	
Communication	Mode	RS232、Bluetooth	
Environment pointer	Applicable scene	Inside / Outdoors	
	Temperature	-30°C~+55°C	
	Humidity	5%~95% No condensation	
	Height	<2000m	
	levels of protection	IP65	
	Cooling-down method	Natural cooling	
	MTBF	100,000 hours	
Appearance structure	Material	Engineering plastic	
	Size	340*220*105mm(L*W*H) No upright post	
	Way to install	wall mounting type	
	Go line way	Down and down	
	Output interface	IEC62196.2	
	Cable length	Charging gun 5m	
Safety design	Over voltage protection, under voltage protection, over current protection, short circuit protection, leakage protection, grounding protection, over temperature protection		

Chapter VI Product wiring diagram

6.1.Product wiring diagram

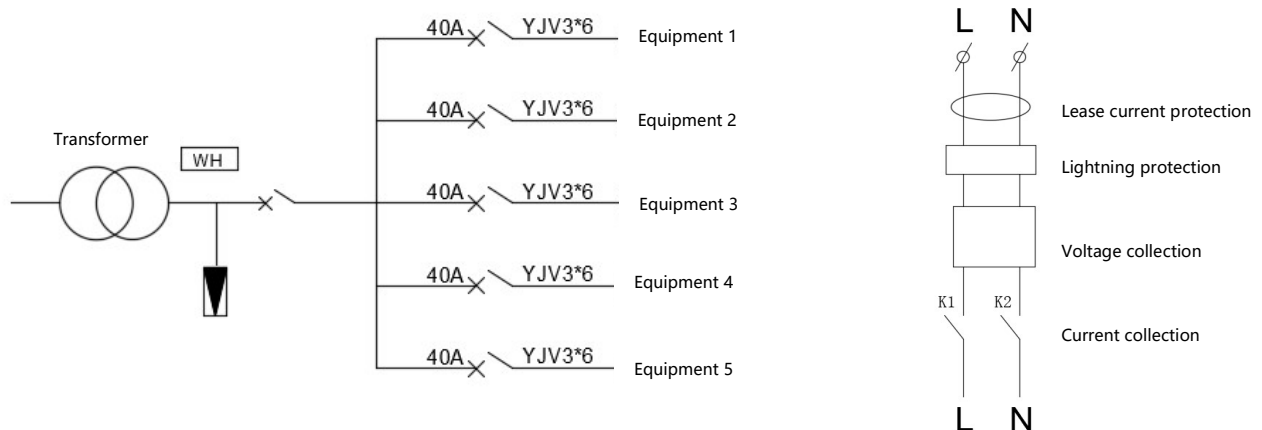
Before use, Make sure the correct AC wiring is shown in the following figure before using. After confirmation, the inlet switch is closed.



Inline terminal definition (Figure A)



When using the equipment must be grounded, the fire wire (L) zero line (N) must be used to test with the test pen in the accessory package. The electric pen tests the light is the fire wire (L), and then the L line and N line shall be connected to the corresponding terminals respectively!





Safety warning: In order to ensure safe charging, the user must strictly follow the phase sequence requirements of the incoming line terminal when connecting the incoming line. Meanwhile, the charging pile with 32A shall be no less than 6 square copper cores; the charging pile with 16A shall be no less than 4 square copper cores.(After the wiring is completed, put back into the lead mouth of the column or use with a protective cover to protect it from accidental collision.)

Chapter VII Instructions for products

7.1. Charging method

Swing card charging:

Use the charging pile in the swipe card area of the charging pile.

Brush the card successfully, and the charging indicator light changes from green constant to red breathing light.

If the light does not changed, try swiping the card again.

Bluetooth charging:

Open the APP "DAWN" and grant permission;

Wait a moment for an automatic detection to the Bluetooth signals around;

Click and choose the signal on your phone' s screen,which pasted on the one side of the charge equipment;

Follow the hints to enter the match password,click the "Confirm" button to connect to the Bluetooth of the equipment;

There are two ways to start charging,first one is "Auto Fill" starting right now,the other one is "Timed" that you can selection whenever you want to charge.

When the equipment is in charging,charging parameters can be seen on the APP' s screen.

Review charging records by pressing the "Record" button at the bottom of the APP.

Indicator light description:

Charge: (red light ring) breathing light

Standby: (green lamp ring) long bright

Alarm: (yellow light ring) flashing

Note: The indicator light is not on, please check the power supply.

Chapter IX After-sales warranty

8.1 Warranty conditions

- (1) Due to transportation reasons, the user found that the product or accessories are damaged when unpacking the inspection;
- (2) The user shall fully comply with the installation, storage and use rules specified in this specification but the quality problems arose.

8.2 Term of service

The warranty period is subject to the sales contract signed.

8.3 Warranty method

- (1) Within the warranty period, the manufacturer is responsible for the replacement or repair free of charge;
- (2) If the warranty period exceeds, the user should negotiate with the manufacturer to pay for replacement or repair

8.4 Liability exemption

The following circumstances are not covered by the company warranty:

- The whole machine and parts have exceeded the warranty period;
- "Product damaged during transportation" caused by user reasons;
- The equipment operates in very harsh conditions beyond those stated in this manual;
- Machine failure or damage caused by installation, repair, changing or disassembly by non-company service personnel;
- Any scope beyond the scope of installation and use specified in the relevant national standards;
- Man-made damage caused.

If the above situation causes product failure and the customer requests maintenance, the company will evaluate and determine whether we can assist in providing paid services.

The content of this manual is subject to change without notice, the final interpretation right belongs to Zhongshan Harui Trading Company LTD.



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