

## AEV-AC007D Series 7kw Charging Pile



AEV\_AC007D\_LCD (with display)



AEV\_AC007D (without display)

## Parameter

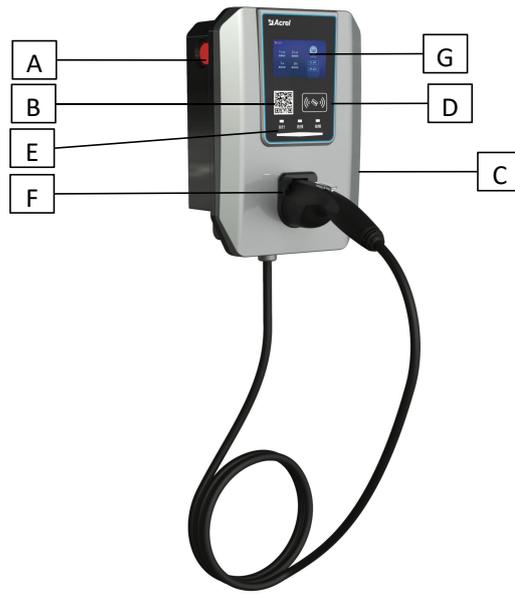
Type	AEV_AC007D(with display)		AEV_AC007D_LCD(without display)	
Installation	Wall mounted	Stand type	Wall mounted	Stand type
Product technical detail	Rated power	7kW		
	Input voltage	AC220V±15%		
	Input mode	Single phase three wire		
	Working frequency	45~55Hz		
	Output voltage	AC220V		
	Output current	0A~32A		
	Output type	One charger		
	Protection level	IP65		
	Material	PC/ABS		
	Working environment	-20℃ ~ 55℃		
	Protection function	With thunder protection, overload protection, short circuit protection, leakage protection		
	communication	4G、Bluetooth、WiFi		
	Payment term	Card payment、APP QR code		
size (Length x width x height) unit: mm	372mm*262mm*141mm	372mm*262mm*141mm, columns size300*234*1450	372mm*262mm*141mm	372mm*262mm*141mm, columns size300*234*1450
weight	5KG	5KG+20KG	5KG	5KG+20KG

## Function

- 1) Smart monitoring: the charging pile smart controller has the functions of measurement, control and protection EV charger, such as operation status monitoring, fault state monitoring, charging measurement and billing, and link with other device.
- 2) Smart metering: the output terminal installs with smart energy meter for charging metering, with various communication solutions. The measurement information can be uploaded to the smart controller and platform through RS485.
- 3) Cloud platform: it has the function of sending data to a cloud platform, and can realize real-time monitoring, financial statement analysis, etc.
- 4) Protection function: it has the functions of lightning protection, overload protection, short circuit protection, leakage protection and grounding protection.
- 5) Remote upgrade: it has complete communication function, and can upgrade the equipment software remotely.

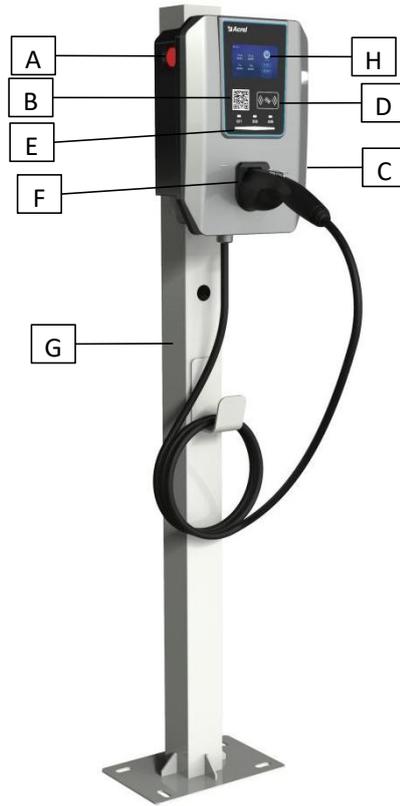
## Application

7KW wall mounted AC charging pile is small size, easy to install, small footprint, easy to install or hang on the wall, It can provide AC power for electric vehicles with on-board charger.



charging pile with wall mounted

- [A]——Emergency stop button: press the button when the equipment is running abnormally.
- [B]——Charging QR code scanning area.
- [C]——Warning labels & nameplates.
- [D]——Charging area.
- [E]——LED status indicator.
- [F]——Charging gun position
- [G]——Display area: LCD (with display)



charging pile with stand type

- [A]——Emergency stop button: press the button when the equipment is running abnormally.
- [B]——Charging QR code scanning area.
- [C]——Warning labels & nameplates.
- [D]——Charging area.
- [E]——LED status indicator.
- [F]——Charging gun position
- [G]——columns
- [H]——Display area: LCD (with display)

## Notice during using

- (1) Do not bring flammable, explosive or combustibile materials, chemicals, flammable vapors and other dangerous items near the charging pile.
- (2) Keep the charging gun head clean and dry. If it is dirty, wipe it

with a clean dry cloth. It is strictly forbidden to touch the charging gun core with your hands when it is charged;

(3) It is strictly forbidden to use the charging pile when the charging gun or charging cable is defective, cracked, worn, broken, or the charging cable is exposed. If you find any, please contact the manufacturer's after-sales personnel in time;

(4) Do not attempt to disassemble, repair, or modify the charging pile. If necessary, please contact the manufacturer's after-sales service personnel. Improper operation may cause equipment damage, water leakage, and electricity leakage;

(6) If there is any abnormality during use, press the emergency stop button immediately;

(7) In case of rain and thunder, please charge carefully;

(8) Children should not approach during the charging process and use charging piles to avoid injury;

(9) During the charging process, the vehicle is forbidden to drive and can be charged only when it is stationary. For hybrid vehicles, please turn off the vehicle before charging;

(10) Please strictly follow the design parameters and conditions of use during use, and shall not exceed the threshold in this specification, otherwise the equipment may be damaged;

(11) After the charging pile is installed, if you find that there is no voltage output or cannot be charged at the first power-on, please check whether the wiring is correct;

(12) The equipment has limited dustproof and waterproof capabilities. Pay attention to anti-static, moisture, and waterproof during use. If the equipment has been flooded, immediately power off and stop using it;

(13) It is strictly forbidden to plug and unplug the charging gun during the charging process to avoid irreversible damage to the charging pile and the car;

(14) When the distance between the installation location of the charging pile and the place where the power source is taken is more than 60 meters, the diameter of the installation cable or wire should be increased accordingly to avoid unstable charging due to voltage drop;

## **Maintenance**

The maintenance of AC charging piles is relatively simple and has the characteristics of low maintenance. Keep the environment clean and tidy during operation, pay attention to ventilation and heat dissipation. There should be no explosive dangerous medium in the air, and there should be no gas that can corrode metals and destroy insulation. The device should

be installed in a place without severe vibration or turbulence.

Before the device is put into operation for the first time after being transported, or put into operation again after a long period of shutdown, it is generally necessary to check the entire device. In addition to checking the correct wiring according to the drawings, it is also necessary to check whether various components are loose due to transportation and other reasons. ; Whether the connections of wires, copper plates, etc. are fastened and in good contact; after the inspection is completed, perform the power-on test.

The device should be regularly dusted and cleaned according to the degree of cleanliness of the ambient air. All power supplies should be cut off during cleaning. Use a compressed air machine (the pressure should not be too high), a vacuum cleaner or a small brush and other appliances to connect the exterior and internal components and wires of the device. Wait for places where dust is easy to accumulate, and clean them carefully.

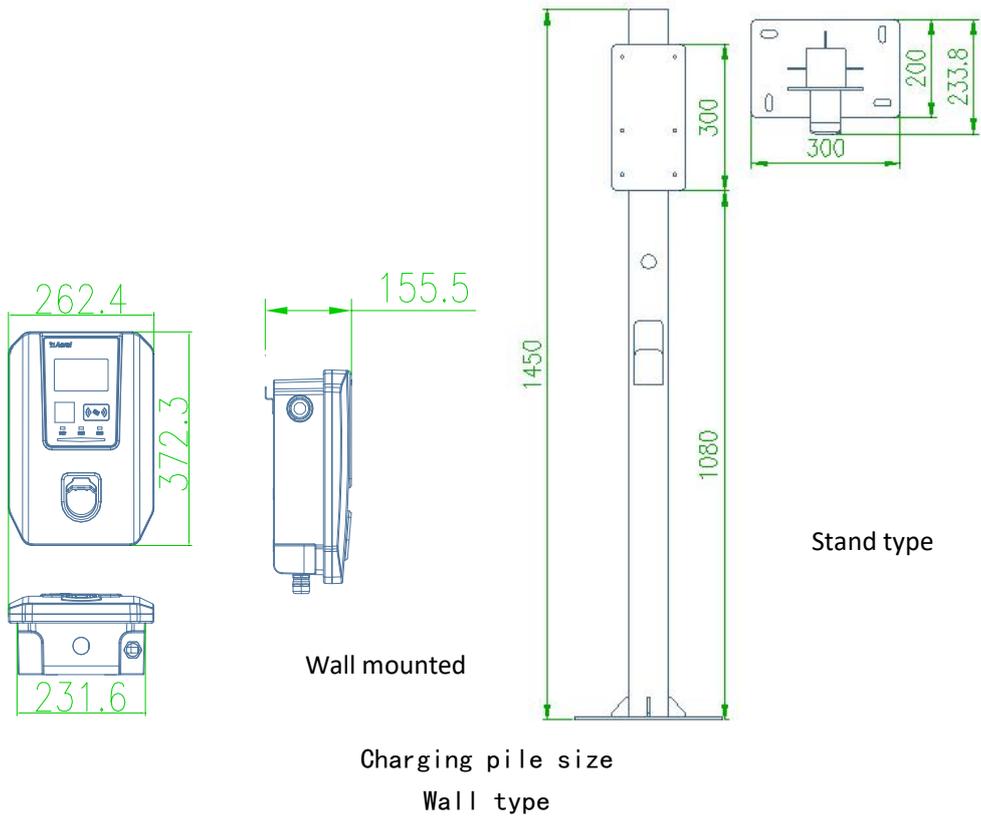
If the device is not used for a long time, please turn off the power and add a dust cover to the device.

## Fault problem

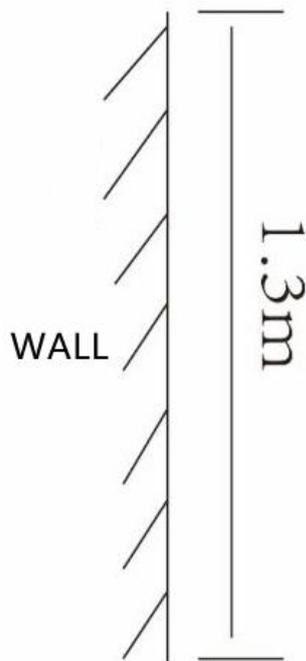
NO	Fault	Fault indication	Fault reason	Solutions
1	Emergency stop press	fault light on and the interface prompts	emergency stop button is pressed	Turn the emergency stop button clockwise to reset it
2	Meter fault	fault light on and the interface prompts	Meter fault	Contact manufacturer
3	RF card fault	fault light on and the interface prompts	RF card fault	Contact manufacturer
4	Gateway fault	fault light on and the interface prompts	Gateway fault	Contact manufacturer
5	CP voltage fault	fault light on and the interface prompts	CP voltage fault	Contact manufacturer

6	Leakage current fault	fault light on and the interface prompts	Leakage current	Check the circuit , and ensure the reliability of the circuit
7	Under voltage	fault light on and the interface prompts	The grid voltage is lower than the setting value	Check the feeder voltage and restart the charging pile
8	Over voltage	fault light on and the interface prompts	The grid voltage is higher than the setting value	Check the feeder voltage and restart the charging pile
9	Over current	fault light on and the interface prompts	output current higher the setting value	Check the charging pile and confirm whether the high-power vehicle is used. Check the circuit and restart the charging pile. If the restart fails, please contact the manufacturer
10	Relay L fault	fault light on and the interface prompts	Relay L fault	Contact manufacturer
11	Relay N fault	fault light on and the interface prompts	Relay N fault	Contact manufacturer
12	Earth fault	fault light on and the interface prompts	No ground	Check the circuit to ensure reliable grounding
13	Temperature fault	fault light on and the interface prompts	The temperature inside the charging pile exceeds 85 °C	Check the charging pile and restart it after a period of time

## Installation

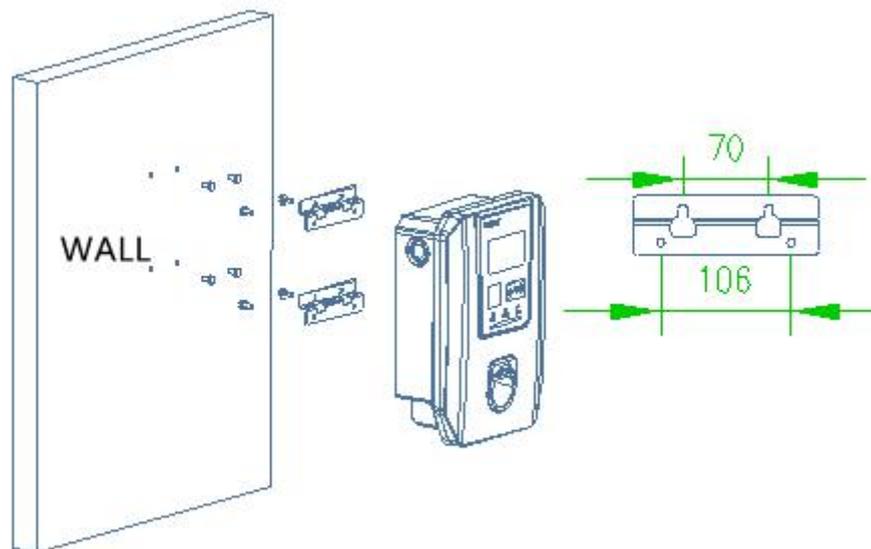


1. Please confirm the installation position and mark it. The center of the charging pile should be at least 1.3m above the ground, as shown in Figure .



2. Hammer the M6 self tapping expansion screw into the wall with a hammer (do not hammer all screws into the wall), then fix the metal

bracket on the charging pile with screws, and then hang the charging pile on the M6 self tapping expansion screw, as shown in Figure.



Stand type

Fixed base

Fasten the charging pile column with screws first , As shown in Figure a - 4.

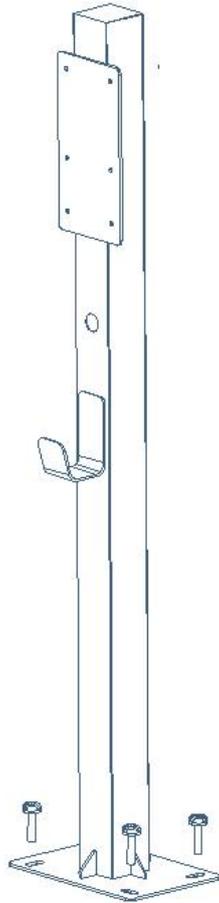


Figure A-4 column installation

#### Fixed charging pile

Fix the charging pile on the outside of the column with M6 pan head screw through the back plate, as shown in figure.

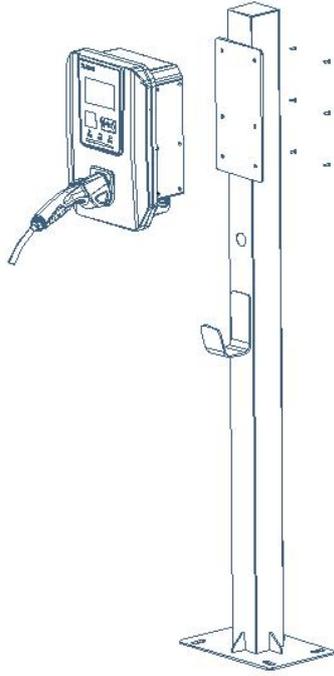


图 A-5 固定充电桩

Connect the power line

Connect the power cord of the equipment to the back end of the field micro break according to the line label, as shown in Figure.



