

AFAX
POWER

AC EV CHARGER



POWER UP YOUR CAR

WWW.AFAXPOWER.COM



Thank you for choosing AFAX POWER AC charging products. In order to help you correctly use, operate, maintain, inspect, troubleshoot and maintain this product, please read this user manual carefully before use, and operate according to this user manual when using it, and please keep this user manual properly.

1、 INTRODUCTION

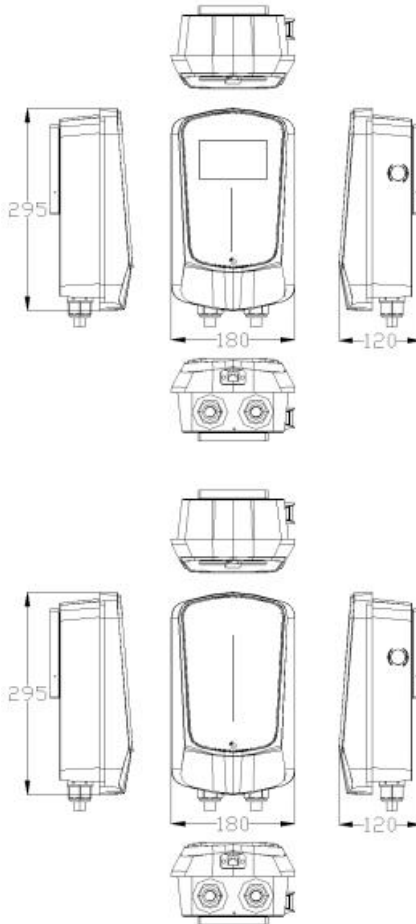
This product is a charging device developed to meet the charging needs of new energy vehicles. It is used in conjunction with the on-board charger of electric vehicles to provide slow charging services for electric vehicles. This product is easy to install, has a small footprint, is easy to operate, and has a stylish appearance. It is suitable for various open-air and indoor parking lots such as public parking lots, residential community parking lots, and enterprise special parking lots. Because this product is a high-voltage device, please do not disassemble the casing or modify the circuit of the device by yourself.

1.1、 PRODUCT INCLUDES:

The charger is mainly composed of the charger case, the main control board, the emergency stop switch, the connector wire, the connector mount, swipe card, etc.

2、OUTLOOK & DIMENSION:

EV CHARGER / WALLBOX:



CONNECTOR MOUNT



3. OPERATION:

3.1 Remove the charging head from the gun holder, and fully insert the charging head into the AC charging port of the vehicle



3.2 Mode of Using

- **SWIPE CARD:** After confirming that the charging head is plugged in, swipe the card to get power



- **APP:** Download APP “Tuya Smart” or “Smart Home” for Control the charging and record the charging data.

Download Link: <http://www.afaxpower.com/download>

- Plug & Charger Mode (Without SWIPE CARD)

- 1. Connect the charger to Power, but don't connect the car.
- 2. Press the emergency button, it will sound, then disconnect the charger with Power, the emergency sound and light will be off, waiting for 3 seconds.
- 3. Re-Connect the charger to Power again, the emergency sound and light will be on again, waiting for 30 seconds until the sound is off, and twist the emergency button to recover, the light becomes blue.
- 4. Then it restore to Factory Default Setting which allows charging during plug-in without the swipe card.

3.3. If you want to end the charging, you can directly unplug the charging head when the vehicle is unlocked

4. LIGHTING SIGNAL

4.1 NORMAL STATUS

Sequence	Status	Mode	LED Signal	Marking
1	NORMAL	Standby	Blue Light	
2		Ready to charge	Green Light	The gun is not activated
3		Charging	Green light flashes (on for 500ms, off for 500ms)	Insert the gun and start charging
4		Charging Completed	Green Light	The car is fully charged or reaches the charging completion condition to stop charging, and the gun head is not pulled out

4.2 EMERGENCY / ERROR STATUS

1	EMERGENCY / ERROR	Emergency stop failure	The red light is always on	In case of fault, the red light flashes for 200ms on and 200ms off
2		unearthed fault	The red light flashes twice every 5s	
3		CP error failure	The red light flashes 3 times every 5s	
4		overcurrent fault	The red light flashes 4 times every 5s	
5		overvoltage fault	The red light flashes 5 times every 5s	
6		Undervoltage fault	The red light flashes 6 times every 5s	
7		Breaker adhesion fault	The red light flashes 7 times every 5s	
8		Leakage fault	The red light flashes 8 times every 5s	
9		Overtemperature fault	The red light flashes 9 times every 5s	
10		Meter fault	The red light flashes 10 times every 5s	
11		Other faults	The red light is on for 1000ms and off for 1000ms	

5. SPECIFICATIONS

Technical parameters of AC charging Pile

Phase	Single-phase	Three-phase	Three-phase
Maximum output power	7KW	11KW	22KW
Input voltage	AC 200-240V	AC 360-400V	AC 360-400V
Input voltage Frequency	50Hz/60Hz		
Output voltage	AC 200-240V	AC 360-400V	AC 360-400V
Output current	8-32A	8-16A	8-32A
Efficiency	≥98		
Insulation resistance	≥10MΩ		
Power consumption of control module	≤7W		
RCD	AC30mA		
Operating ambient temperature	-30℃~+50℃		
Storage ambient temperature	-40℃~+80℃		
Ambient humidity	5% ~95% No frost, no condensation		
Altitude	Not more than 2000 meters		

Status indication	LED indicator
Screen	4.3 inch LCD color screen (optional)
Startup mode	Swiping card / APP /Plug & Charger to start
Communication mode	WIFI, Bluetooth, 4G (optional)
Charging interface	GB/T 20234.2-2015
Degree of protection	IP55、IK10
Safety protection	Overvoltage protection, undervoltage protection, grounding protection, lightning protection, leakage protection, flame retardant protection, overcurrent protection, intelligent temperature control protection, relay adhesion protection, input shutdown protection, vehicle specification level protection vehicle and protection personnel
Electric energy meter (provided for networking equipment)	≥1.0 level
Cable length	1m (Input) + 5m (Output) (Customizable)
Weight	4.5KG

6. TROUBLESHOOTING

6.1 Power-on trip when charging

Check the power supply line and whether there is a short circuit in the electrical equipment.

Check all electrical equipment for excessive power

Check all grounds are good

6.2 Fail to charge

Check if the input grounding is good

Check whether the vehicle end is normal

Check whether the power supply terminal voltage 220V is normal

6.3 Charging intermittently

Check whether the power supply terminal voltage 220V AC is stable

Check whether the input grounding is normal

6.4 If you can't solve it, please contact the after-sales personnel

7. CAUTIONS

7.1 The requirements for power supply lines and grounding wires shall be implemented in accordance with national standards

National standard line requirements: 3*6 square meters and above pure copper cables

National standard grounding requirements: access to standard earth

7.2 In the process of connecting the input cable, make sure that the live wire, neutral wire and ground wire are connected correctly to avoid security risks

7.3 It is strictly forbidden to step on, pull, bend and knot the charging cable

7.4 Before use, please check that the charging device is not scratched, rusted, cracked, or the charging port, cable, or surface is damaged.

7.5 It is limited to use in the environment with an air switch RCD circuit breaker at the power supply end

7.6 Do not disassemble or modify this product, so as not to damage the machine or cause safety risks, and lose the warranty

7.7 It is recommended to use this product in a safe environment, away from high temperature, fire, corrosion, and chemical gas hazards to avoid safety risks

TUTORIAL VIDEO

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ON INSTALLATION & USAGE

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