

Wallbox EV Charger Manual



Feature

charging plug meet IEC 62196-2 standard.

Control box meet IEC 61851 control principle.

Excellent protection performance, protection grade IP65-Working condition.

Operating temperature: -30°C to 55°C.

Mechanical Properties

Mechanical life: no-load plug in/pull out > 10000 times

- Impact of external force: can afford 1m drop and 2T vehicle run over pressure

Electric Performance

Rated Current and Voltage: 415V AC 16A/32A

- Insulation Resistance: > 1000MΩ (DC500V)
- Terminal Temperature Rise: < 50K

Control Box Function

Leakage protection (restart recover).

- Over voltage under-voltage protection (self-checking recover).
- Lightning protection.
- Over current protection.
- Overheat protection.
- Ground protection.

Charger Cord

Specification: 5G2.5mm²+2*0.5mm²

5G6mm²+2*0.5mm²

Cautions

- Do not bring dangerous items such as flammable, explosive or combustible materials, chemicals, flammable steam, etc. near the charging pile;
- 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;
- 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 staff in time;
- Do not attempt to disassemble, repair, or modify the charging pile. If there is a need for maintenance or modification, please contact the staff. Improper operation may cause damage to the equipment, water leakage, leakage, etc.;
- If there is any abnormality during use, press the emergency stop button immediately to cut off all input and output power supplies;
- In case of rain and thunder, please charge carefully;
- Children are not allowed to approach or use the charging pile during the charging process to avoid injury.
- During the charging process, the vehicle is prohibited from driving and can be charged only when it is stationary. Please turn off the hybrid electric car before charging.
- DO not use the device in extreme temperatures (normal operating range (-30°C to 55°C)).
- The power supply input cable should have at least 5*2.5mm²/5*6mm², With a standard 16A/32A jack. It is proposed to complete the distribution of electricity by professionals.

Power-on inspection and debugging

1) Check before operation

Before running, please check carefully and ensure the following items:

- The installation position of the AC pile is convenient for operation and maintenance
- The AC pile and accessories are correctly connected and installed firmly
- Reasonable selection of leakage protection switch for AC inlet
- No external objects or parts are left on the top of the AC pile

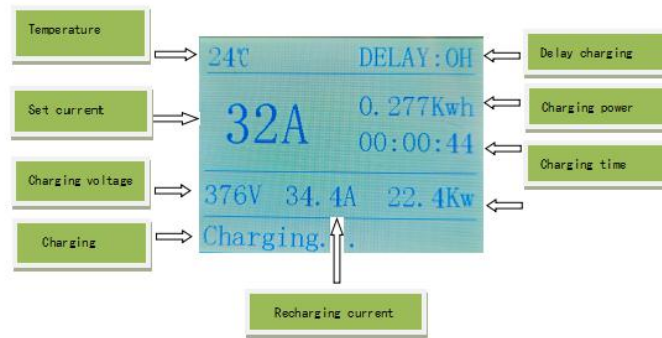
2) Power on the device

1. Make sure that the above inspection items before operation meet the requirements
2. Close the power inlet leakage protection circuit breaker
3. Power on the AC pile: There is about 5 seconds of power-on self-check time, and the green indicator light flashes.
4. After the power-on self-check is completed, observe the status of the LED indicator.








Normal standby: the green light is always on

Equipment failure: red light is always on

Led Screen Description:

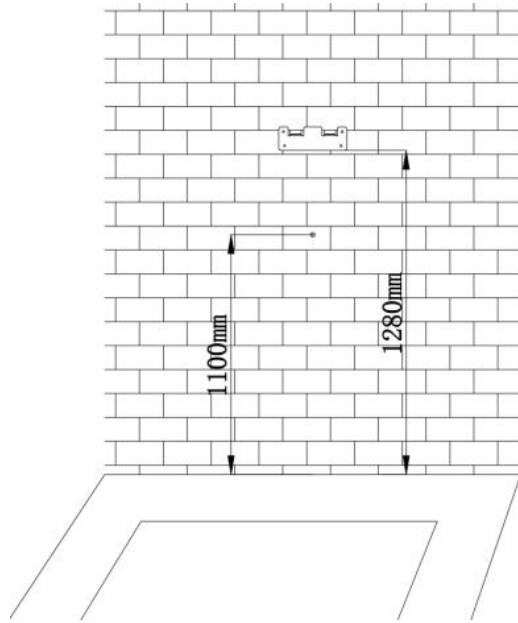


Installation tool

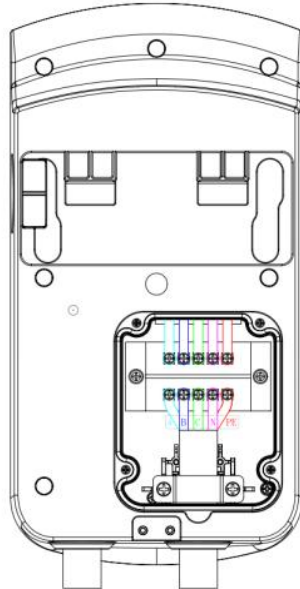
Tool name Picture	Picture	Main function
Insulation torque wrench		Fastening bolt
Combination wrench		Fastening bolt
Hydraulic clamp		Press OT terminal
Diagonal pliers		Cut the cable
Multimeter		Check electrical connections and electrical parameters
Phillips screwdriver (PH2*150mm PH3*250mm)		Fastening screws
Insulated adjustable wrench		Fastening bolt

Installation process

- 1) Wiring and installing the wall bracket

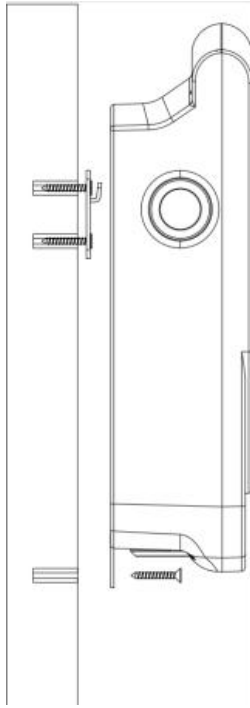


2) Installation of charging pile inlet



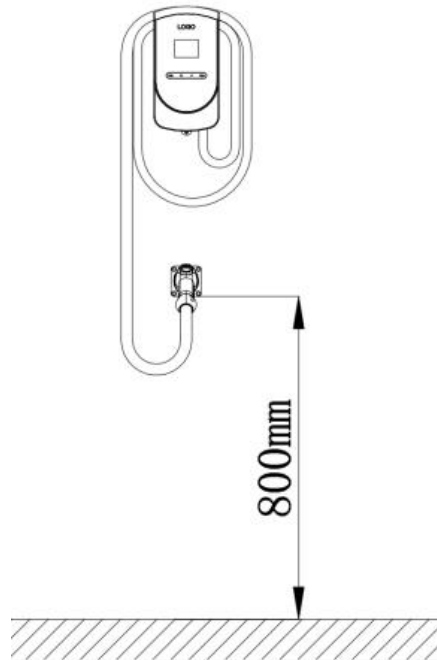
3) Wall-mounted installation and fixing

Hang the mounting holes on the back of the device into the fixing screws on the wall from the front, and fix them;

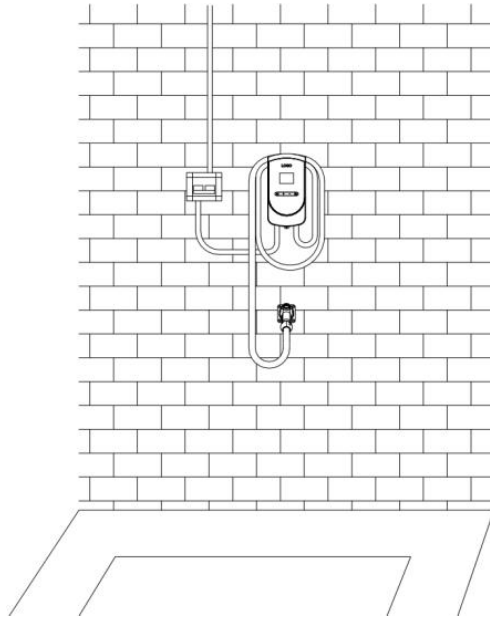


4) Installation of gun base

Just below the equipment, install the gun base, the installation height, 800mm from the ground



5) The installation is over, the effect is as follows:



Charging status description

Condition	POWER	CHARGER	FAULT	Remark
1	On	Off	Off	Ready
2	Flash	Off	Off	Connect
3	Off	Breathe	Off	Charging
4	Off	On	Off	Finish
5	Off	Off	Fault (0.5s) 1 time	Err:CP
6	Off	Off	Fault (0.5s) 2 time	Under Voltage
7	Off	Off	Fault (0.5s) 3 time	Over Voltage
8	Off	Off	Fault (0.5s) 4 time	Elec Leakage
9	Off	Off	Fault (0.5s) 5 time	Over Current
10	Off	Off	Fault (0.5s) 6 time	Over Temp
11	Off	Off	Fault (0.5s) 7 time	Ungrounded

Warranty:

Damage caused for the following reasons is not covered by the warranty:

1. Improper handling, installation, use and maintenance by the user.
2. Product falls into the water.

This warranty is for the original purchaser only and is NOT transferable.