

Portable Electric Vehicle Charger

Model



User manual

Thank you for using the EV AC charging station from **Fenergy!**
Please read carefully before installation or usage.

1 Warranty

warrantsthat products supplied to Customer pursuant to this Agreement / Contract should meet merchantable quality, all applicable safety standards and free from any defect of design, material and workmanship within the warranty period. The warranty period is Twelve (12) months since from the delivery date. The warranties does not include the damages resulted from inappropriate storage, incorrect installation, improper operation or bad environment.

2 Safety precautions for product use

Safe to use

- Do not put flammable, explosive or combustible materials, chemicals, flammable vapors and other dangerous items near the charging gun.
- Keep the charging gun head clean. if it is dirty, please wipe it with a clean dry cloth. it is strictly forbidden to touch the charging gun core with your hands when charging.
- It is strictly farbidden to use the charging gun when the charging gun or charging cable is defective, cracked, worn, or the broken charging cable is exposed. if you find it, please contact the after sales 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 operations may cause damage water leakage, and electricity leakage.
- if there is any abnormal situation during use, all input and output power can be cut off immediately.
- in case of rain and thunder, please charge carefully.

- Do not allow children to approach and use the charging gun during the charging process to avoid injury;
- During the charging process, the vehicle is prohibited from driving, and charging can only be performed after the electric vehicle is turned off.

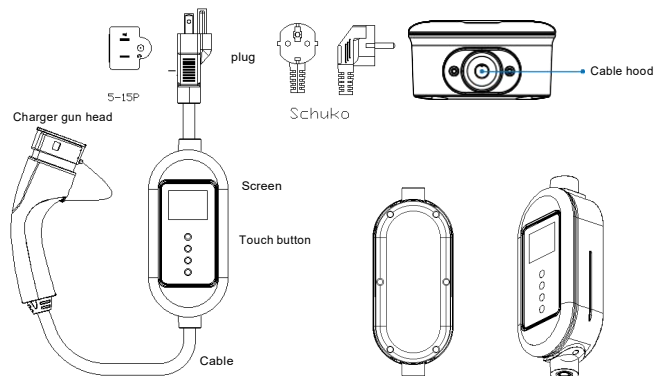
Requirements for safe power supply lines

- 16A current specification requirements: use standard multi-strand copper wire with not less than 3 cores and 2.5 square millimeters; when the power supply line is greater than 40 meters, it should be thickened according to the actual situation.
- Aluminum wire is prohibited.
-

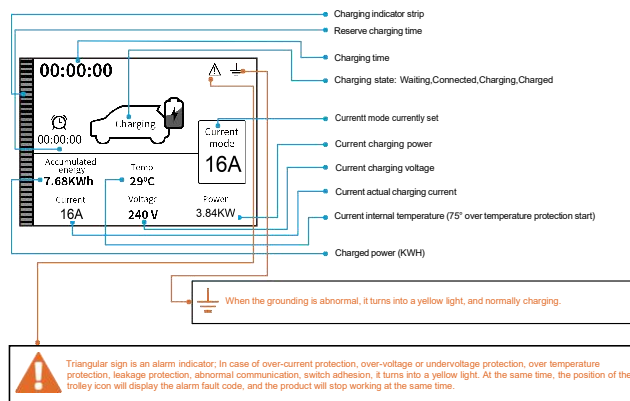
Air switch requirements

- 16A current specification requirements: Use dedicated Euro-plug sockets; if an air switch is required for installation, its current rating should be no less than 20A.
- It is recommended to install both an air switch and an RCD leakage protector. A combined device can be used. The RCD leakage protector should have a rating of not less than: Type A, AC:30mA DC:6mA
-

3 Product Description



LED Display function



4 Instructions for use

- Turn off the vehicle, pull the handbrake, and lock the door;
- After the power plug is successfully connected, plug the charging gun into the car charging port, and charge it by itself after the connection is successful;
- After charging, first unplug the charging gun, then unplug the power plug/turn off the air switch power supply;
- The display interface and indicator interface;

Touch button operation instructions

- Hold down the **A** key for 3 seconds and the current symbol will flash to start current adjustment. Short press the 'MODE' button once and the clock symbol will flash to start timing adjustment
- When the current value flashes, press "+" to adjust the current upward. Press once to increase the current by 1A; *16A chargers: 8-16A, 32A chargers: 8-32A) Press + to adjust the time upward. Press once to increase the time by 1 hour (0H, 1H, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H, 10H, 11H, 12H)
- When the current value flashes, press "-" to adjust the current downward. Press once to reduce the current by 1A; When the clock value flashes, press - to adjust the time downward. Press once to reduce the time by 1 hour;
- After current or time adjustment, press **B** to complete the setting.

5 Package Contents

Open the package, then check and verify following items after receiving the charger :

- Check the charger's external appearance. If there is any breakage or other damage, please inform the seller immediately.
- All accessories quantity and type 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 (x4)	PM4*35 Screw (x4)	base plate(x1)
Mainframe(x1)				

The 16A version does not have a base.

6 Features and Specifications



Model	5-15P	Model	Schuko
Input/output voltage	AC120/240V Single phase	Input/output voltage	AC 230V Single phase
Input/output current	8, 10, 12, 14, 16A adjustable	Input/output current	8, 10, 12, 14, 16A adjustable
Max output power	1.92/3.84KW	Max output power	3.68KW
Frequency	50/60Hz		
Input plug	5-15P/Schuko	Input plug	CEE 3-Pin
Output plug	Type2 (Mennekes)		
Output cable	5M		
Withstand Voltage	3000V		
Work Altitude	<2000M		
alyStand by	<3W		
Protection	Overvoltage protection, overload protection, over-temp protection, under voltage, Earth leakage protection, lightning protection, short circuit protection		
IP level	IP65		
Touch button	Yes		
LCD screen	Yes		
Current adjustment	Yes		
Timing/appointment	Yes		
Certification	CE, RoHS		

7 Fault indication description

Number	Item	Explain
1	Error1	Over-temperature protection: When the temperature in the charger exceeds 75°C the protection will be started. After the temperature is Below 65°C it will automatically recover.
2	Error2	Overvoltage or undervoltage protection: After the overvoltage or undervoltage fault disappears, it will automatically recover.
3	Error3	Overcurrent protection: When the current exceeds the warning value, the charger will cut off the power output, the output will be automatically restarted after 5s. If the current doesn't be normal value after three times, then need to be powered off manually and restarted for recovery.
4	Error4	Leakage protection: After the leakage protection is started, need to be powered off manually and restarted for recovery.
5	Error5	CP communication protection: After the protection is started, it is necessary to cutoff the power manually and check whether the charging gun is inserted in place or there are other circuit faults, then restart manually to recover.
6	Error7	The relay switch is stuck: When the protection is started, need to be powered off manually and restarted for recovery.