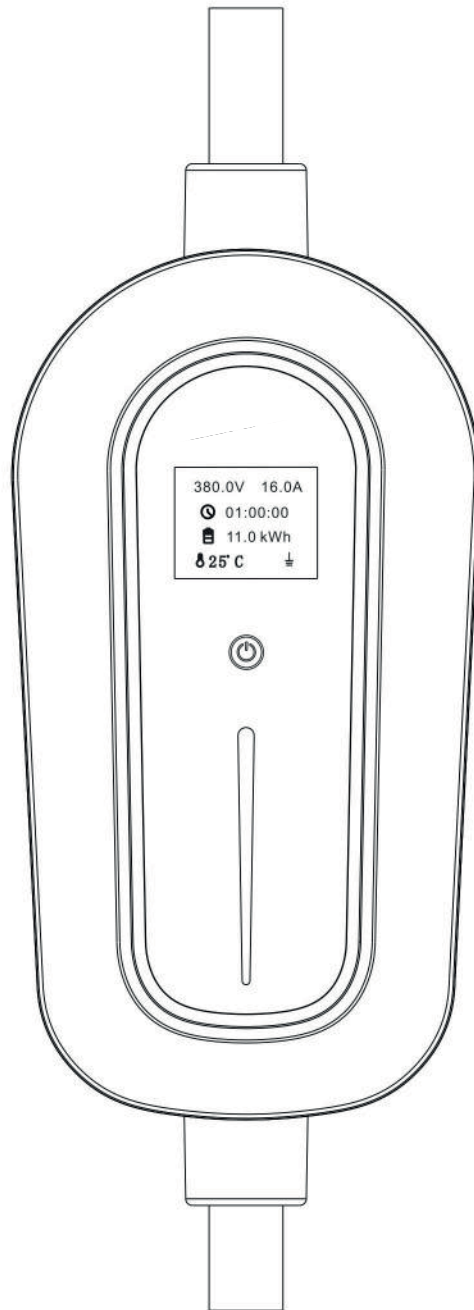


# Electric Vehicle AC Charger

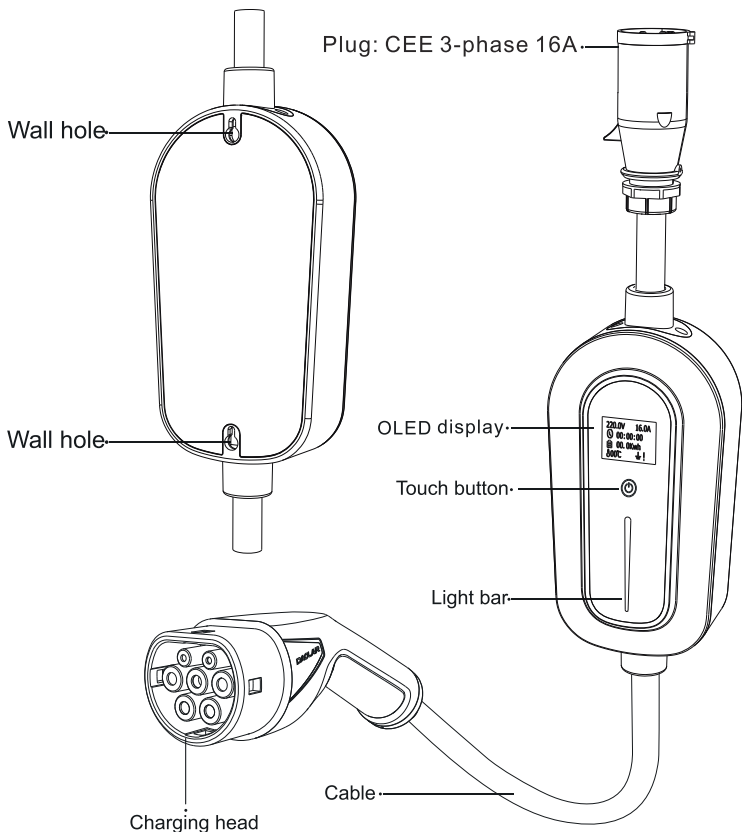


**INSTRUCTIONS MANUAI**




## 1. Product description

This product consists of a control box, charger, plug, cable, and converter. It is a portable or wall-mountable electric vehicle charging device that enables car owners to safely and conveniently charge electric vehicles or plug-in hybrid vehicles anywhere, through a standard CEE power interface.

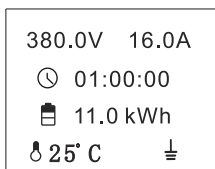
## 2. Product diagram



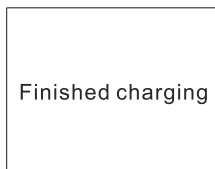
### 3. LED light

light indicator		
color	status	description
	full brightness	control box is powered on normally
	breathing light	charging
	full brightness	finished charging

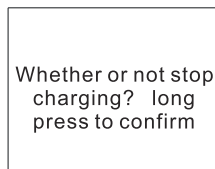
### 4. OLED display manual



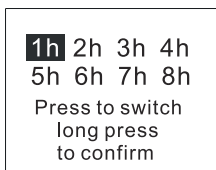
(Fig. 1)



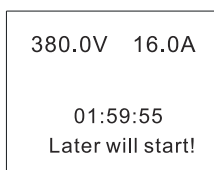
(Fig. 2)



(Fig. 3)



(Fig. 4)



(Fig. 5)



## **5. Function manual**

### **5.1 Normal charging manual**

5.1.1 Insert the plug into the wall socket, green light is on, control box is powered on normally. The screen interface is as shown in (Fig. 1) .

5.1.2 If no current setting is required, please insert the charger to connect.

5.1.3 The connection is normal, charging starts, and grechargeden light turns into a breathing light

5.1.4 After charging is completed, green light is shown. (Fig. 1) and (Fig. 2) alternate display.

Note: This product has the function of automatic power off when fully

### **5.2 Current switching instructions**

5.2.1 Insert the plug into wall socket, green light is always on, the control box is powered on normally.

Click ⏻ to select the desired current ,please insert the charger to connect.

Note: Do not insert charger until setting is done.

### **5.3 Charging instructions for appointment**

5.3.1 Insert the plug into the wall socket, green light is on, control box is powered on normally. The screen interface is as shown in (Fig. 1) .


5.3.2 long press ⏻ to enter reservation selection, click ⏻ to select the start time of the scheduled charging (Fig. 4) , long press ⏻ to confirm, and complete the setting.

Enter into timer mode, please insert the charger (Fig. 5) .



5.3.3 when the time is up, it will automatically enter into normal charging mode.

Note: Do not insert charger until setting is done.

## 5.4 Cancellation of scheduled charging

5.4.1 If you want to cancel the scheduled charging, unplug the charger and press and hold  for 3 seconds to cancel the charging appointment.

## 5.5 Emergency termination of charging

5.5.1 For emergency power off, please press and hold  for 3 seconds (Fig. 3) , and then press and hold  again to confirm to stop charging.

## 6. Technical parameters

Item	Technical indicators	Description
1	Rated input voltage	380V/230V AC
2	Rated charging current	16A
3	Display screen	OLED 1.32 inch
4	Connector Type	IEC 62196-2
5	Operating temperature	-30 — +50°C
6	Storage temperature	-40 — +75°C
7	Flammability rating	UL94-V0
8	Protection class	IP65
9	safety protection	over voltage protection short circuit protection under voltage protection over current protection leakage protection over temperature protection CP abnormal protection Flame retardant protection Grounding protection Lightning protection

## **7. Safety protection manual**

- 7.1 Leakage protection: After the leakage protection is activated, it needs to be powered off and restarted to recover.
- 7.2 Overcurrent protection : When the current exceeds the warning value , the controlbox will cut off the power output , and automatically restart after 10S . After 4cycles , it will not automatically recover , and it needs to be powered off and restarted to recover.
- 7.3 Overvoltage protection : When the voltage exceeds 275V , the protection is activated , and it will automatically recover afterthe voltage is restored and stabilized.
- 7.4 Under-voltage protection : when the voltage is lower than 160V , the protection is started , and it will automatically recover after the voltage is restored and stabilized.
- 7.5 Temperature protection : start protection when the temperature in the control box exceeds 85°C , and automatically recover when the temperature drops to 75°C

## **8 . Caution when using**

- 8.1 This product must be plugged into a grounded socket for grounding use to avoid the risk of electric shock without grounding.
- 8.2 When using this product to charge , it is necessary to couple the gun head and the vehicle interface in place.
- 8.3 When using this product to charge , it is forbidden to charge the control box in the air to prevent the power plug from being badly contacted and ablated.
- 8.4 Use the work process to withstand high current , do not touch sharp metal conductors to prevent electric shock accidents.
- 8.5 The outer shell of the product is made of thermoplastic , so it should not be impacted by external force so as not to affect the use.
- 8.6 When starting to charge , first insert the plug to connect to the power supply , and then insert the gun head to connect to the vehicle . Aftercharging ,first pull out the vehicle end of the gun head and then pull out the power end plug

8.7 When charging , it is strictly forbidden to place the device in the car or in a confined space ; it is strictly forbidden to place the device near objects that will generate high temperature.

8.8 This product can be used both indoors and outdoors

## 9. Troubleshooting and Service

### 9.1 Troubleshooting Table

Item	Problems	Solutions
1	Over-voltage	Use the multimeter to check whether the voltage (L1 and N, L2 and N, L3 and N) on the power input is too high. If the result is greater than or equal to 120% of the rated voltage (276 V), contact local power grid company.
2	Under-voltage	Use the multimeter to check whether the voltage (L1 and N, L2 and N, L3 and N) on the power input is not sufficient. If the result is less than or equal to 70% of the rated voltage (161 V), contact local power grid company.
3	Ground fault	Make sure the charger is grounded correctly.
4	Power failure	Make sure the switch to the circuit breaker is on.
5	Over-heating	Check whether the EV charging cable is securely connected.Ensure the operating temperature is within the specified range on the product label.Stop charging. Restart charging until it is within the operation temperature range.
6	Residual current detected	Unplug the vehicle and plug in again. If the problem persists, contact customer support.

## 9.2 Service

If you cannot find solutions to your problems with the aid from the table above, please contact our technical support.

