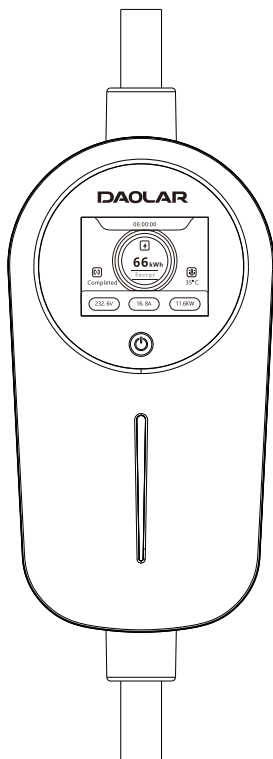


Electric Vehicle AC Charger

DAOLAR



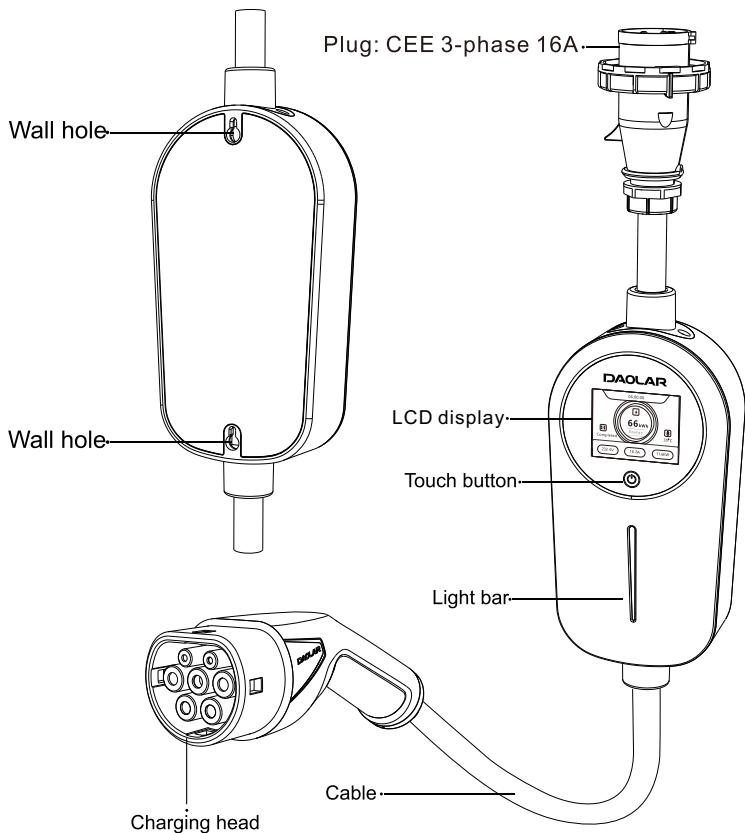
INSTRUCTIONS MANUAL

F093-E16A-3






1. Product description

This product consists of 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.

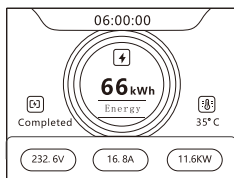
2. Product diagram



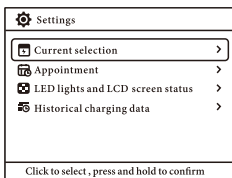
3. LED light

light indicator					
color	status	description	color	status	description
	full brightness	control box is powered on normally		full brightness	scheduled charging
	meteor light	charging		full brightness	Fault warning
	full brightness	finished charging			

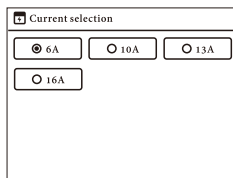
4. LCD display



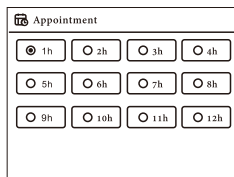
(Fig.1)



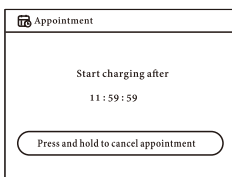
(Fig.2)



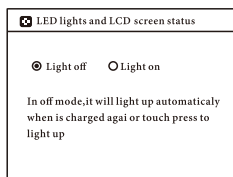
(Fig.3)



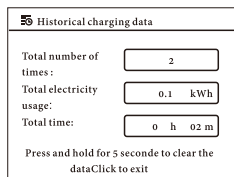
(Fig.4)



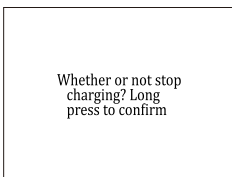
(Fig.5)



(Fig.6)



(Fig.7)



(Fig.8)

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 function setting is required, please insert the charger to connect.





5.1.3 The connection is normal, charging starts, and green light turns into a meteor light.

5.1.4 After charging is completed, green light is shown.

Note: Power off automatically after a full charged

5.2 Current selection





5.2.1 In standby mode, Long press  to enter the setting interface (Fig. 2)

5.2.2 Click  to select [Current selection], long press  to enter current selection, click  to select the adaptation current (Fig. 3), and long press  to confirm to complete the setting.


Note: First determine the maximum current and power accepted by the car, then select the appropriate current

5.3 Appointment

5.3.1 In standby mode, Long press  to enter settings (Fig. 2).

5.3.2 Click  to select [Appointment], long press  to enter appointment selection (Fig.4), Click  to select appointment charging start time, long press  to confirm (Fig.5), and complete the setting.



5.3.3. To enter timing mode, please plug in the charger (Fig. 5), the yellow indicator light is always on, and it will automatically enter the normal charging mode after the time is up.



5.3.4 To cancel a scheduled appointment, unplug the charging plug. Press and hold  for 3 seconds to cancel the scheduled charging.

Note: Do not insert charger until setting is done.

5.4 LED lights and LCD screen status

5.4.1 In standby mode, Long press  to enter settings (Fig.2).



5.4.2 Click  to select [LED lights and LCD screen status], long press  to enter the screen. (Fig.6).

5.4.3 click  to select the light off or lingsh on, long press  to confirm.

Note: In the off mode, when charging again, it will automatically light up or touch the button to light up



5.5 Historical charging data

5.5.1 In standby mode, Long press  to enter settings (Fig.2)

5.5.2 Click  to select [Historical charging data], long press  to enter the screen (Fig.7)

5.5.3 If you want to clear historical data, press and hold for 5 seconds

5.6 Emergency termination of charging

For emergency power off, please press and hold  for 3 seconds (Fig.8), and then press and hold  again to confirm to stop charging.

Note: During the normal charging process, do not forcefully pull out the plug or charging head.

6. Technical parameters

Item	Technical indicators	Description
1	Rated input voltage	380V/230V AC
2	Rated charging current	16A
3	LCD	LCD 2.4inch
4	Connector Type	IEC 62196-2
5	Operating temperature	-30 — +50℃
6	Storage temperature	-40 — +75℃
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.

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Email: support@dolar.com

Website: www.daolar.com

