

**DAOLAR**

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# Electric Vehicle AC Charger Wallbox Home

**DAOLAR**



## Installation Guide

Y083-E32A-3P

Y083-E16A-3P

Thank you for purchasing.

Please carefully read this Manual for better use of the device.

## SAFETY WARNINGS

- Read and follow all warnings and instructions before installing and operating the charger.
- This equipment should only be installed by a licensed electrician in accordance with all local codes and ordinances.
- This equipment must be grounded through a permanent wiring system or an equipment-grounding conductor.
- Do not install or use this equipment near flammable, explosive, harsh, or combustible materials, chemicals or vapors.
- Children should be supervised when around this equipment.
- Do not insert fingers or foreign objects into the electric vehicle connector.
- Do not use the equipment if the flexible power cord or EV cable is frayed, broken or otherwise damaged, or fails to operate.
- Incorrect installation and testing of the equipment could potentially damage the vehicle's battery, components, and/or the equipment itself.
- Handle the equipment with care during transportation. Do not subject it to strong force or impact or pull, twist, tangle, drag or step on the equipment, to prevent damage to it or any components.

## Model differentiation

Model number	Three-phase maximum power (L1、L2、 L3、 N、 PE)	One-phase maximum power (L1、 N、 PE)	Current range
Y083-E32A-3P	22KW	7KW	32A/24A/16A/10A
Y083-E16A-3P	11KW	3.5KW	16A/13A/10A/6A

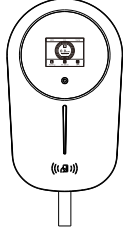
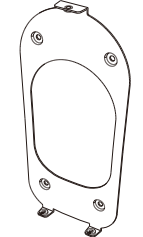




Very important:

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

## 1. Unpacking

Make sure that all parts are delivered according to the order.

Check the packaging for the following parts.

Charging Station		wall dock	
Screw ( M4 x 60 ) 5PCS		Screw ( M5x8) 3PCS	
Wall Anchor M6x60 5PCS		Installation Guide	

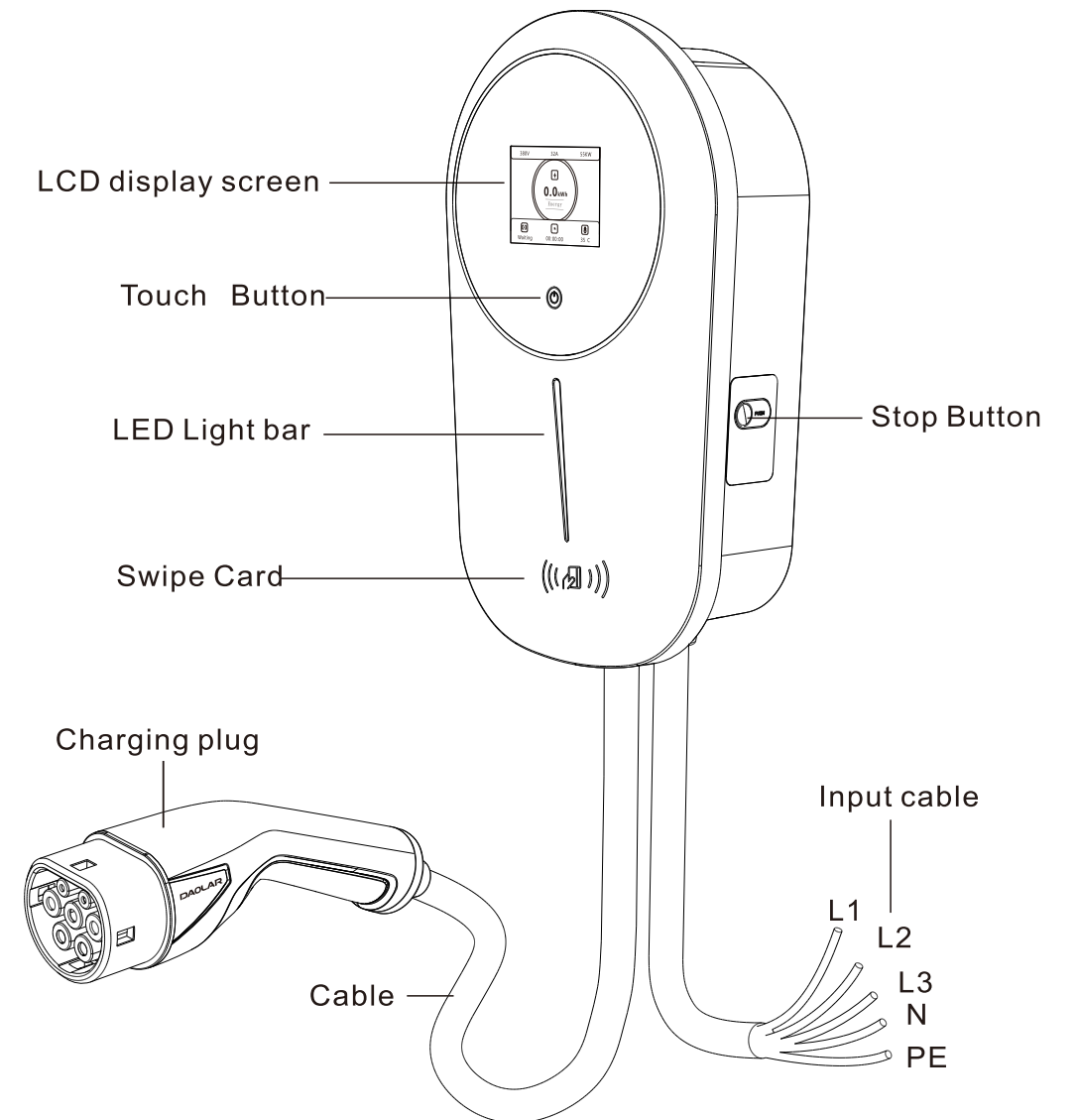
## Tool kit

Screwdriver ( Type T10 )		Screwdriver ( Type T25 )	
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## Holster Mounting

Holster		Wall Dock	
Screw ( M4 x 60 ) 5PCS		Screw ( M3x8 ) 3PCS	
Wall Anchor M6x60 5PCS			

## 2. Product Overview



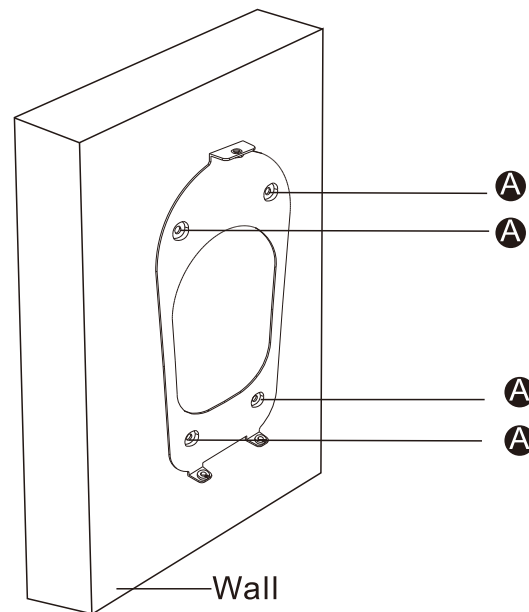
### 3. Installing the Charger

**NOTE:**

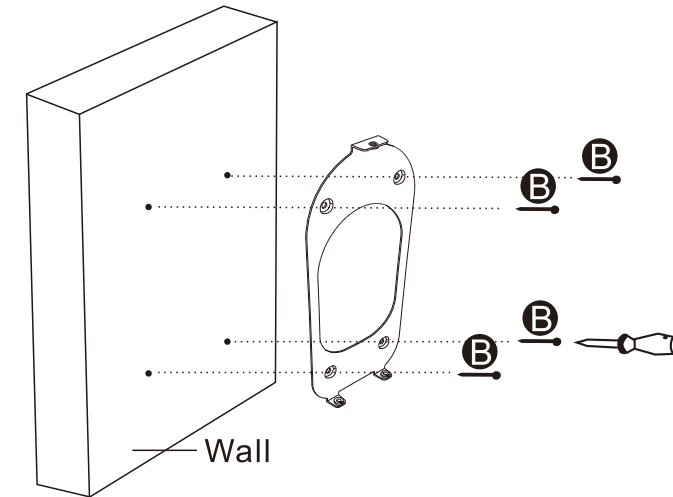
- Ensure you have the correct permits for this electrical installation.
- Consult all applicable codes for breaker and wire sizing requirements.
- Determine the desired charging amperage and circuit rating requires.

Breaker	Wire sizing	charging amperage max Load
40A or 50A	6 mm <sup>2</sup> or 10 mm <sup>2</sup>	32A
20A or 25A	2.5 mm <sup>2</sup> or 4 mm <sup>2</sup>	16A

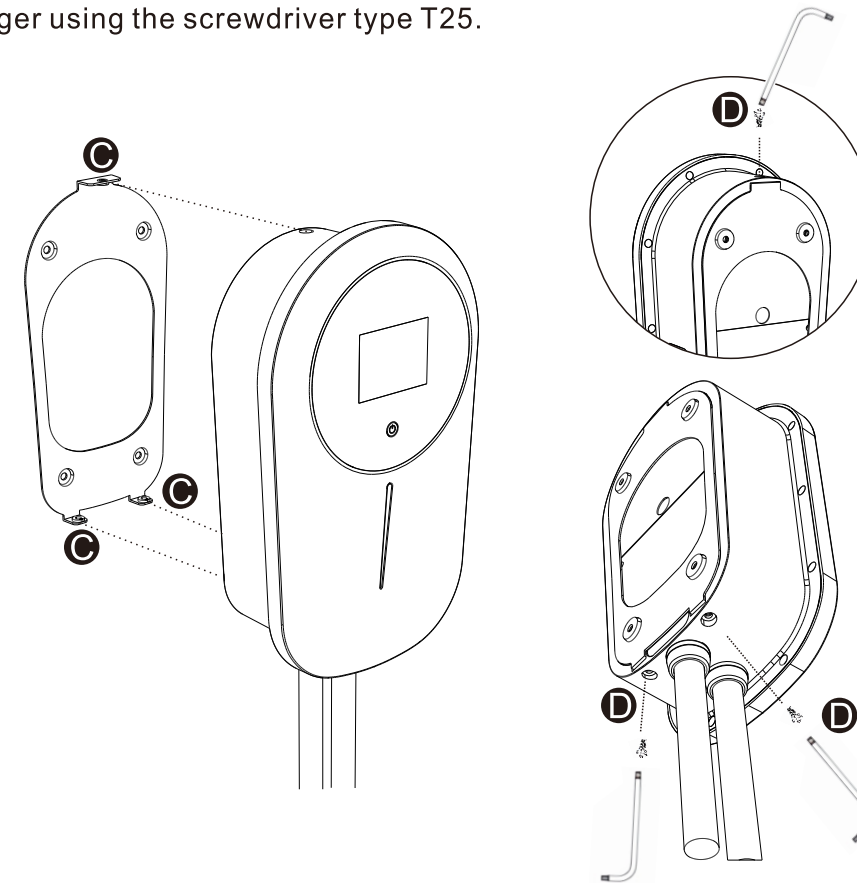
1. To find the ideal mounting height of the charger, Place the wall dock with the bottom edge aligned with the horizontal line and the center holes aligned with the vertical line. Mark the four lower mounting holes (A) and remove the wall dock.



2. Drill four 6MM holes and insert four 6MM diameter wall anchors into the lower mounting holes.  
Attach the wall dock to the mounting location by screwing four M4 x 60 screws (B) into the lower mounting holes. Tighten the screws using the screwdriver type PH2 (not included in the package).



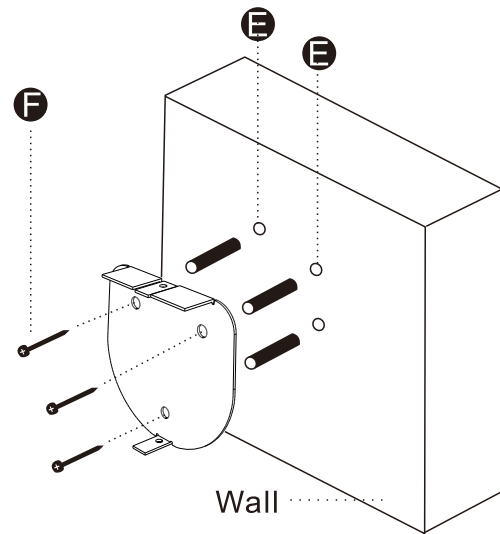
3. Attach the charger to the wall dock, into the three mounting holes (C).Screw the three M5 x 8 screw (D) into the hole at the charger and tighten the screw to secure the charger using the screwdriver type T25.



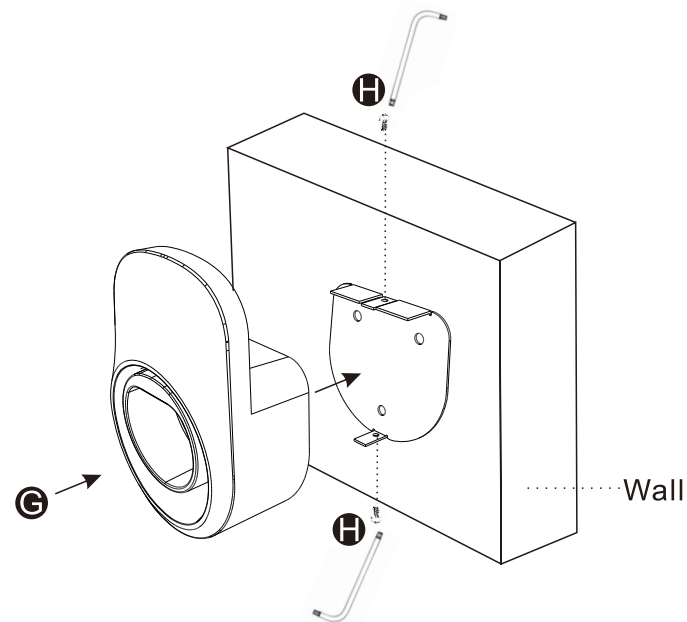
4. Connect the wall box input cable (L1, L2, L3, N, PE) to the seat corresponding to the circuit breaker. And make sure the screws are tight.

## 4. Installing the Holster

1. To find the ideal mounting height of the holster, Place the wall dock with the bottom edge aligned with the horizontal line and the center holes aligned with the vertical line. Mark the three lower mounting holes (E) and remove the wall dock.
2. Drill three 6MM holes and insert three 6MM diameter wall anchors into the lower mounting holes. Attach the wall dock to the mounting location by screwing three M4 x 60 screws (F) into the lower mounting holes. Tighten the screws using the screwdriver type PH2 (not included in the package).



3. Attach the charger to the wall dock, into the two mounting holes (G). Screw the two M3 x 8 screw (H) into the hole at the holster and tighten the screw to secure the charger using the screwdriver type T10.

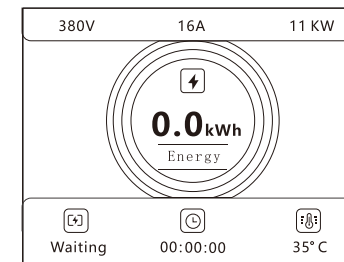


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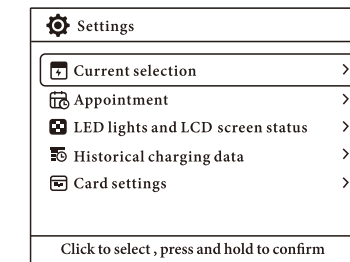
## 5. LED light

Color	Status	Description
Green	Solid	The charger is
Green	Meteor	Charging
Green	Solid	Charg complete
Yellow	Solid	Appointment
Yellow	Flashing	Swipe your IC ca
Red	Solid	Safety protectio

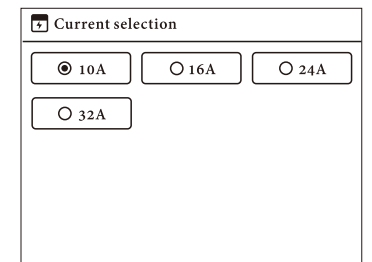
## 6. LCD display



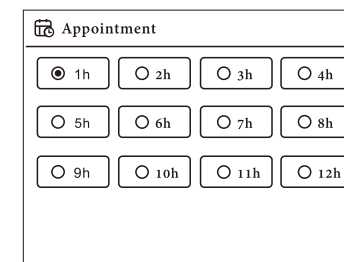
(Fig.1)



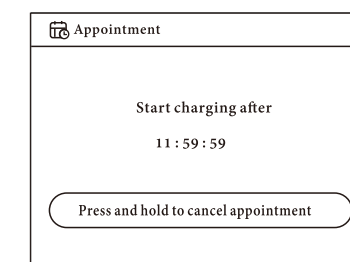
(Fig.2)



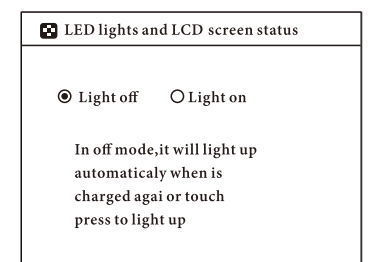
(Fig.3)



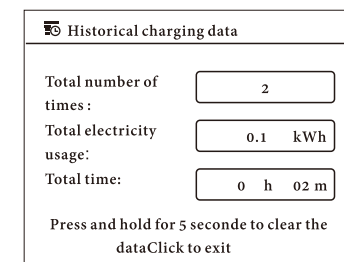
(Fig.4)



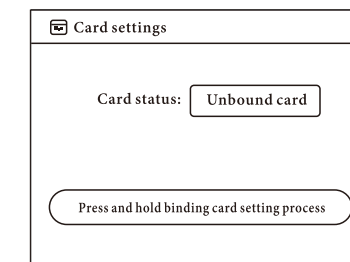
(Fig.5)



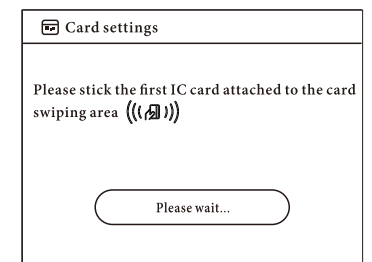
(Fig.6)



(Fig.7)

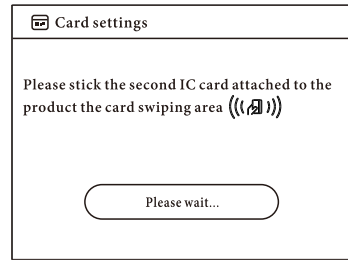


(Fig.8)

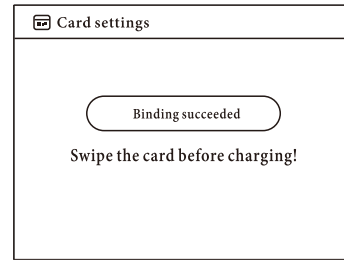


(Fig.9)

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(Fig.10)



(Fig.11)

## 7. Function manual

### 7.1 Normal charging manual

- 7.1.1 After confirming the installation, turn on the switch, green light is on, control box is powered on normally. The screen interface is as shown in (Fig. 1).
- 7.1.2 If no function setting is required, please insert the charger to connect.
- 7.1.3 The connection is normal, charging starts, and green light turns into a meteor light.
- 7.1.4 After charging is completed, green light is shown.

**Note: Power off automatically after a full charged.**

### 7.2 Current selection

- 7.2.1 In standby mode, Long press ⏻ to enter the setting interface (Fig. 2)
- 7.2.2 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.**

### 7.3 Appointment

- 7.3.1 In standby mode, Long press ⏻ to enter settings (Fig 2).
- 7.3.2 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. (When binding the IC card, the yellow indicator light flashes, and it enters the countdown state after swiping the card).
- 7.3.3. 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.

- 7.3.4 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.**

### 7.4 LED lights and LCD screen status

- 7.4.1 In standby mode, Long press ⏻ to enter settings (Fig.2).
- 7.4.2 Click ⏻ to select [LED lights and LCD screen status], long press ⏻ to enter the screen. (Fig.6).
- 7.4.3 click ⏻ to select the light off or light 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.**

### 7.5 Historical charging data

- 7.5.1 In standby mode, Long press ⏻ to enter settings (Fig.2).
- 7.5.2 Click ⏻ to select [Historical charging data], long press ⏻ to enter the screen (Fig.7).
- 7.5.3 If you want to clear historical data, press and hold for 5 seconds.

### 7.6 Card Settings

- 7.6.1 In standby mode, Long press ⏻ to enter settings (Fig.2).
- 7.6.2 Click ⏻ to select [Card settings], long press ⏻ to enter settings (Fig.8).
- 7.6.3 Long press ⏻ to start card binding (Fig.9), put the first card on the swipe area, hear a "drop" sound, it means the first card is bound. The display automatically jumps to (Fig.10), then put the second card on the swipe area, hear a "drop" sound, that means the second card has been bound (Fig.11).

**Note: When the card is bound, swipe the card first and then charge it**

### 7.7 Stop charging

If you want to stop charging, click the stop button on the right side of the wall box

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



## 8. technical parameters

Item	Technical indicators	Description
1	Rated input voltage	380V/230V AC
2	Rated charging current	16A/32A
3	Display	LCD 3.2inch
4	Connector Type	IEC 62196-2
5	Operating temperature	-30 ~ + 50°C
6	Storage temperature	-40 ~ + 70°C
7	Flammability rating	UL94-V0
8	Protection class	IP55
9	safety protection	over voltage protection, short circuit protection, under voltage protection, over current protection, leakage protection, over temperature protection,

## 9. Safety Protection

- 9.1 Leakage protection: After the leakage protection is activated, it needs to be powered off and restarted to recover.
- 9.2 Overcurrent protection: When the current exceeds the warning value, the control box will cut off the power output, and automatically restart after 10S. After 4 cycles, it will not automatically recover, and it needs to be powered off and restarted to recover.
- 9.3 Overvoltage protection: When the voltage exceeds 275V, the protection is activated, and it will automatically recover after the voltage is restored and stabilized.
- 9.4 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.
- 9.5 Temperature protection: start protection when the temperature in the control box exceeds 85 °C, and automatically recover when the temperature drops to 75°C.

## 10. Troubleshooting and Service

### 10.1 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.

### 10.2 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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