



User Manual


EV CHARGING MODEL 2

- Read all instructions before using, operating, or maintaining.

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PRODUCT FEATURES

Voltage	110V~380V AC \pm 20%	
Current	6A~40A (Max)	
Frequency	50Hz / 60Hz	
Enclosure	EVSE Enclosure: IP65	
Operating Temperature	-25°C to +45°C	
Bluetooth	Bluetooth Lock Function	










NOTING

It is generic manual version, which only introduces the operation of the products. The final current and voltage shall be subject to the model actually purchased by the customer.









SAFETY PRECAUTIONS

Thank you for purchasing and using ZENCAR EV Charging Model 2 cable. In order to help you properly use this product, please read this user's manual carefully before charging.

Caution

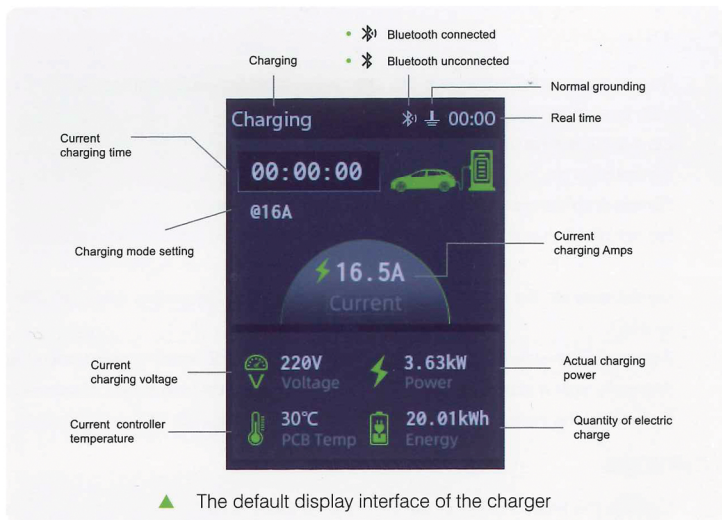
-  It's not recommended to use the device for charging while raining due to the safe use of electricity.
-  Do not submerge the control box in water.
-  Do not step on, pull, fold or knot the cable.
-  Do not drop the control box or place a heavy object on it.
-  Do not place the charging cable near high temperature object when charging.
-  Do not place the device in the car or in a sealed space when charging.
-  Do not operate the device in temperatures beyond its operating range of -25 °C to +45 °C.
-  Power-supply side input cable should be at least 3*2.5mm² (recommended 3*4mm²), with a standard 16A socket. It is suggested that the power distribution is done by the professionals.

Warnings




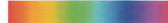

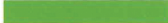
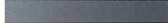

-  Only for the limited using at the condition of there is RCD protection breaker in the power supply section.
-  Do not use this product if the EV charging cable is damaged.
-  Only for use with EV charging.
-  The product must be grounded.
-  Do not use this device with an extension cord or adapter.
-  Do not put fingers into the charging connector.
-  The device contains no users serviceable parts. Do not attempt to repair or service the device yourself.
-  If device fails to operate correctly in accordance with the operation manual, do not use this device. Contact dealer for repair or replacement.

DISPLAY

The display in of the device allows you to read various detailed information, statuses and safety warnings.



STATUS INDICATOR

			
Green Ready	Green flash EV Connected	Red flash Connected Error/ Bluetooth Locked	Multicolour flash Charging
			
Blue Schedule Charging	Green flash Charging Completed by the car	Indicator off Charging completed and charger disconnected	Yellow flash Charging Fault

SCREEN DISPLAY INTRODUCTION

Default Display Interface



Button operation under the default interface



Access the circuit directly into the default display interface of the charger

Left slip: [Total Energy] page

Right slip: [Charging Current] page

Double-click Left button:

Enter [Max AMP Setting] page.

Double-click Right button:

Enter [Delayed charging timer setting] page.

Long press Left button:

Press 5s, enter [Real-time setting] page.

Long press Right button:

Press 5s, enter [Common Charging Time] page.

Press the left and right button at the same time:

Bluetooth connected, press 5s and enter [Bluetooth Lock function setting] page.

Bluetooth disconnected, press 10s and enter [Bluetooth PIN reset setting] page.

Charging Current



The default interface button slide to the right
Display the curve record of the charging current.

The operation under this interface:

Left slip: Return to the default interface

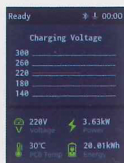
Right slip: [Charging Voltage] page

Press the left and right buttons at the same time:

Long press 10s, leakage detection to switch (back door program). The leakage detection function is turned on by default.

SCREEN DISPLAY INTRODUCTION

Charging Voltage



Slide to the right [Charging Current] page to enter.
Display the curve record of the charging voltage.

The button operation under this interface:

Left slip: Return to [Charging Current] page

Right slip: [Total Energy] page

Press the left and right buttons at the same time:

Long press 10s, ground detection to switch (back door program). The PE detection function is closed by default.

Total Energy



The default interface button slide to the left

Left slip: Enter [Charging Voltage] page

Right slip: Enter the default display interface

Long press the right button: Long press 5s, remove the total electricity and recalculate.

Real-time Setting



Press the left button 5s under the default interface to enter.(Non-charging state)

Manually set the real-time time of RTC. After the setting is completed, there is no operation and wait for 5s to automatically exit and save.

Click the left button once / double click:

Add 1 minute each time

Click the right button once / double click:

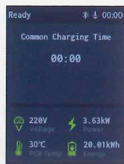
Reduce 1 minute each time

Long press left button: Add 1 hour automatically

Long press right button: Reduce 1 hour automatically

SCREEN DISPLAY INTRODUCTION

Common Charging Time



Press the right button 5s under the default interface to enter.(Non-charging state)

Set up a common charging time and combine real-time time to achieve timing charging functions. After the setting is completed, there is no button operation and wait for 5s to automatically exit and save.

Click the left button once / double click:

Add 10 minutes each time

Click the right button once / double click:

Reduce 10 minutes each time

Long press left button: Add 1 hour automatically

Long press right button: Reduce 1 hour automatically

Charging Current Mode Setting



Double-click the left button under the default interface to enter.(Non-charging state)

Double click the left button: Switch current mode

Charging Delay



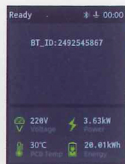
Double-click the right button under the default interface to enter.(Non-charging state)

If the Bluetooth lock function is turned on, Bluetooth needs to be connected.

Double click the right button: Switch delay charging hours

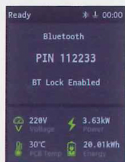
SCREEN DISPLAY INTRODUCTION

Bluetooth Lock Function Setting



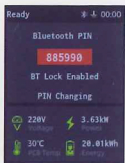
Press the left and right button at the same time to enter.(Non-charging state)

Open the Bluetooth function of the phone and find the name of the device. Connect to the Bluetooth according to the displayed PIN code.(112233)



Long press the left button:

Turn on or turn off the Bluetooth lock function.



Bluetooth Code Modification function:

Double click the right button:

Generate random Bluetooth matching code

Users can double click multiple times to choose your favorite PIN code.

Click the left button once:

If the preset pairing code is displayed, the preset pairing code will be canceled to display the current pairing code.

Long press the right button:

Press 5s and take effect on the generation pairing code

CHARGING FAILURE

Error code	Indicator Light	Fault analysis and suggestion
01	Under Voltage	Light 1 long and 2 short Undervoltage protection; self -recovery; check voltage display
02	Over Voltage	Light 1 long and 3 short Overvoltage protection; self -recovery; check voltage display
03	Ground Fault	Light 1 long and 4 short Leakage protection; unplug the charging plug to recover; check the vehicle leakage when it cannot be recovered
04	Over Current	Light 1 long and 5 short Overcurrent protection; unplug the charging plug to recover
05	Over Temperature	Light 1 long and 6 short Temperature control protection; self -recovery; check interface temperature display
06	PE Line Open	Light 2 long and 2 short PE line short circuit; check the PE line
07	RCD Selftest Failure	Light 2 long and 2 short Leakage detection self-test failed

CHARGING STEPS



- ① Connecting Bluetooth** Firmly insert the plug into the power socket. Open Bluetooth and connect the device.
- ② Switching current** Double click the left button to switch the current mode.
- ③ Start charging** When the vehicle is inserted and the "click" sound is heard, the charging device will automatically operate.

BLUETOOTH LOCK FUNCTION

The device Bluetooth lock is disabled by default. If need to realize the anti-theft function, first connect and turn on the Bluetooth. If the device is not matched with Bluetooth, it is basic version and have charging function.

How to Connect the Bluetooth?

- 1. Turn on the mobile phone Bluetooth and match it with the Bluetooth signal sent by the device. Bluetooth name: ZENCAR_2492545867
- 2. Enter the initial Bluetooth pairing PIN code: 112233
- 3. The device displays a successful connection, meaning the Bluetooth connects successfully.



Bluetooth Lock Function Scenes:

- 1. When the Bluetooth lock is enabled and connected to the phone, the charger can be charged immediately and set the countdown charging.

Turn off the Bluetooth of the phone, then plug in the car, charging fails (The screen shows that the Bluetooth is locked and red light is always on); turn on Bluetooth of the phone, plug in the car, and automatically resume charging in 3s.

Effectively prevent others from misappropriating.

BLUETOOTH LOCK FUNCTION



Red Light

When the Bluetooth lock is enabled, turn off the Bluetooth, and the charger will lock charging immediately.

- 2. If the power is turned off unexpectedly, after the power restored, the Bluetooth lock is enabled by default. Turn on the Bluetooth of the phone, automatic connection succeeded, and the charger automatically resumes charging within 3s.
- 3. The Bluetooth lock is off, the charger can be charged immediately.

BLUETOOTH LOCK FUNCTION









How to Modify the PIN Code of Bluetooth?

- 1. When Bluetooth is connected and EV connector is not plugged, you could press left and right buttons together for 5 seconds in the initial interface, then device will enter the interface of Bluetooth Device Lock function.
- 2. Double click the right button, there are new PIN codes for Bluetooth randomly, the end user could double click more to choose the PIN code which he/she likes.
- 3. When choosing the new PIN code, press the right button for 3 seconds for final confirmation. The interface shows that modification is successful, which means new PIN code is effective.
- 4. After successful modification of Step 3, Bluetooth of mobile phone will be disconnected. Pls use the new PIN code to match mobile phone and device, which means PIN code is finished modifying.
- 5. After successful modification of Step 4, the current setting page will not exit automatically until the user reconnects to the mobile phone Bluetooth.

TIMER FUNCTION (Under Bluetooth connection status)

Method 2 Timer Delay Charging Setup

In the default display interface, double click the right button to enter the timer delay, you can choose to charge at a fixed time, or charge after 2-4-6-8 hours. Please finish the operation within 1 minute.

Right Button Operation	Operating Instructions	Indicator Light Status
1st double-click	Charge at fixed time. <i>Display shows the left time to the fixed time.</i>	
2nd double-click	Charge after 2 hours.	
3rd double-click	Charge after 4 hours.	
4th double-click	Charge after 6 hours.	
5th double-click	Charge after 8 hours.	
6th double-click	Turn off the delayed charging function and charge immediately.	

⚠ If the timer function is not required, please directly insert the plug into the car when power on, charging start immediately. (Do not double click or long press the right button). If it has entered the delayed charging, double click continuously within 1 minute until it exits the delayed charging, and charging start immediately.



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