





# User Manual

## EV CHARGING MODE 2

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

# CONTENTS









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# SAFETY PRECAUTIONS

Thank you for purchasing and using ZENCAR Mode 2 EV charger. 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, bend 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  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .
-  Power-supply side input cable should be at least  $3 \times 2.5\text{mm}^2$  (recommended  $3 \times 4\text{mm}^2$ ), with a standard 16A socket. It is suggested that the power distribution is done by the professionals.

## Warnings

-  Use only in environments with RCD circuit breakers on the power supply side.
-  Do not use this product if the EV charging cable is damaged.
-  Only for electric vehicle 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 has no user serviceable parts, please do not attempt to repair and service it by yourself.
-  If the device cannot be charged normally according to the operation manual, please contact the dealer.



## SAFETY PRECAUTIONS



### NOTING

- Do not attempt to disassemble, repair or refit the device; Please contact us if you need maintenance or modification. Incorrect operation may cause device damage, water leakage, electric leakage, etc.
- If any abnormal situation occurs during use, all input power should be cut off immediately.
- Please charge carefully in thunderstorm weather.
- Children should not use the device to avoid injury.
- Don't drive the electric vehicles when charging. Charging can only be performed when the vehicle is stationary. Please turn off the ignition for a hybrid vehicle before charging.
- After the vehicle is fully charged, the device will not work, and the indicator light will flash green.

## PRODUCT FEATURES

Standard	IEC 62752
Voltage	110V~230V AC $\pm 20\%$
Current	6A~32A (Max)
Frequency	50Hz / 60Hz
Enclosure	EVSE Enclosure: IP66
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
Operating Humidity	5%~95%RH (non-condensing)

# TOUCH BUTTON INTRODUCTION



## Function left key:

You can move the cursor to the left to reduce the time when setting the date and time.

## Function right key:

You can move the cursor to the right to increase the time when setting the date and time.

## Middle key (Confirm):

In the unlocked state of charging, touch to enter the scheduled charging. When it is not charging, you could enter the "Setting" page, and it could be as the "Confirm" key when finishing the operation.

# STATUS INDICATOR



**Green**  
Ready



**Blue Pulsing**  
Charging



**Green**  
EV connected/  
Charging completed



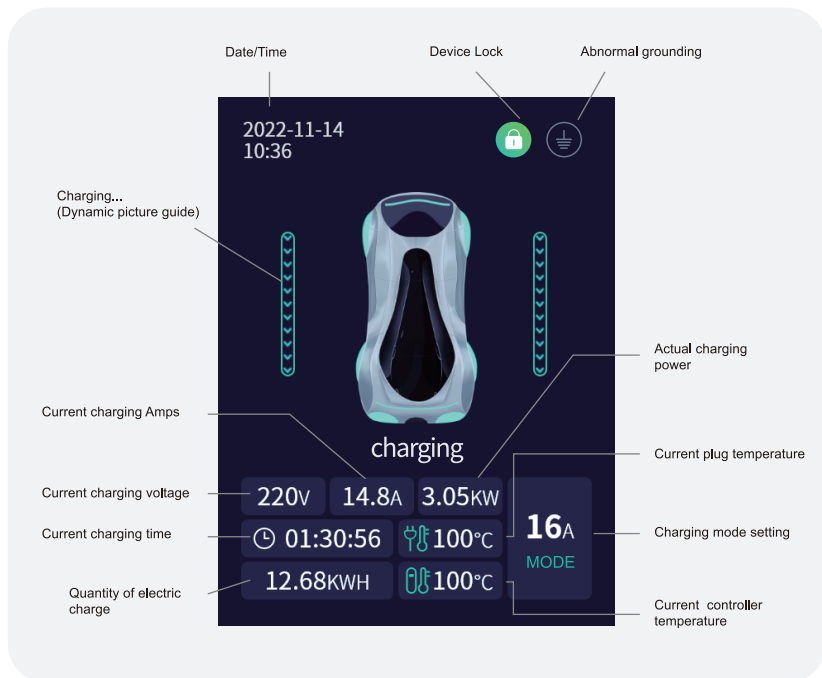
**Blue**  
Schedule charging



**Red**  
Charging Error

# DISPLAY

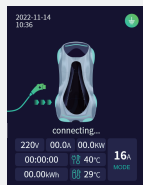
The display of the device shows you various details, status and safety warnings.



- **Device Lock:** There is no operation when the EVs are charging. After 3 minutes, the device lock will be opened, and the touch button will not work.
- **Screen Rest:** There is no operation in normal power supply, and the screen will go out 3 minutes later, you could click any key or pull out the EV plug to wake up the screen.

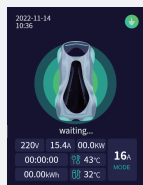
# SCREEN DISPLAY INTRODUCTION

## Waiting for Connecting...



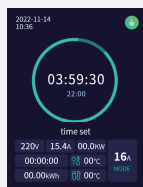
The charging device connected to the power socket, but not yet connected to the vehicle, the screen displays Waiting for the vehicle to be connected.

## Waiting for Responding



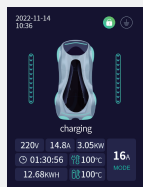
The charging device connected to the vehicle, the vehicle does not respond or the vehicle is fully charged, the screen displays Waiting for the vehicle to respond.

## Timer Setting



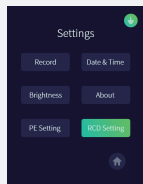
The device unlocked in the charging status, touch the middle button to enter one-hour timer setting; timer setting can provide 1-12 hour.

## In Charging



The charging device connected to the vehicle, the vehicle responds, the screen displays it is charging.

## Settings

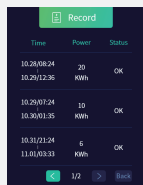


The charging device connected to the power socket but hasnot connected to the vehicle, touch the middle button to enter the setting page.

# SCREEN DISPLAY INTRODUCTION

The charging device connected to the power socket, touch the middle button to enter the setting page.

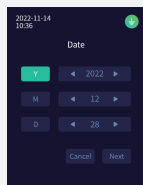
## Charging Records



Enter [Charging Records] page, it saves 30 records at most, can view by the left button, right button and middle button (confirm button).

Note: After accumulating 30 charging records, the new records will be cyclically overwritten from the earliest records.

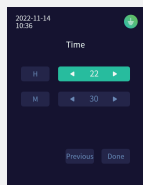
## Date Setting



Enter [Date Setting] page, can set the [Year/Month/-Day] through the left button, right button and middle button (confirm button).

Select [Cancel] to return to mainpage of [Settings], the date will not be saved;

Select [Next] to enter [Time Setting], the date settings is saved;



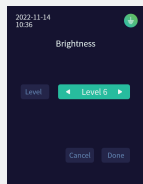
Enter [Time Setting] page, can set the [hour/minute] through the left button, right button and middle button (confirm button).

Select [Previous] to return to [Date Setting], the time will not be saved;

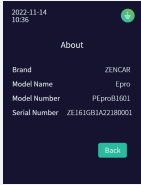
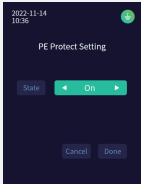
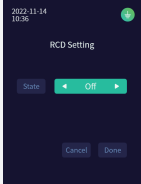
Select [OK] to enter [Settings] mainpage, the time settings is saved;

Note: If use at the first time or it hasnot been used for  $\geq 20$  days, please set the date after turning on.

## Screen Brightness

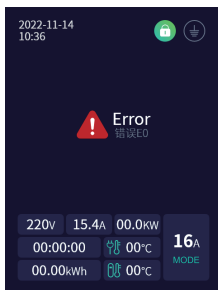


Enter the [Screen Brightness] page, can adjust the brightness level 1-6 through the left button, right button and middle button (confirm button).

About Device		Enter [About Device] page, view the device information
Grounding Protection		Enter [Grounding Protection] page, set the grounding protection on or off through the left button and right button, middle button (confirm button)
Leakage Protection		Enter [Leakage Protection] page, set the leakage protection on or off through the left button and right button, middle button (confirm button)

## CHARGING FAILURE

Error code details are as follows:




 [Error] occurs on the device

E00	Relay failure	E06	Over temperature protection in PCB
E01	RCD self-check abnormality (Type B product)	E07	Over temperature protection in power plug
E02	Undervoltage protection	E08	Dual temperature differential protection
E03	Overvoltage protection	E09	CP failure
E04	Leakage protection (Leakage Protection is turned on)	E10	Ground protection (Ground Protection is turned on)
E05	Overcurrent protection	E11	Temperature sensor abnormal in power plug

## TIMER FUNCTION

Before the charging is locked, click the middle button to enter the reservation charging. Click the right button once to increase by 1 hour, and exit the reservation after more than 12 hours; press the left button once to decrease by 1 hour, if the time is less than 1 hour, the left button has no response; the reservation charging can be set to 1-12 hours, and the system automatically calculates the charging start time.

- ⚠ If the device is used for the first time or has not been used for more than 20 days, please set the date after turning it on. Inaccurate time may affect the use experience.
- ⚠ Due to the characteristics of the battery, it is recommended to charge immediately after parking in winter.

Reservation status	No operation, then no reservation, charging starts immediately	
Click the middle button once	Enter the reservation charging, and charging starts after an hour	
Click the right button once	Add 1 hour	
Click the left button once	Reduce 1 hour	
Click the right button multiple times	More than 12 hours, exit the reservation, charging starts immediately	
Click the left button multiple times	Less than 1 hour, the left button has no response	

## START CHARGING



### ① Connected to mains

Firmly insert the plug into the power socket.



### ② Switching current

The vehicle end is disconnected, and the current mode can be adjusted by touching the left and right keys.



### ③ Start charging

When the vehicle is inserted and the "click" sound is heard, the charging device will automatically operate.



## STOP CHARGING



- ① Unlock the vehicle, press the power plug button on the vehicle side, and pull it out from the vehicle side base.



- ② Close the protective cover of the charging port on the vehicle end , and cover the protective cover of the vehicle power plug.



- ③ Unplug the charging plug from the socket , and put it in the storage bag.

## QUALITY ASSURANCE

ZENCAR Mode 2 Cable warranted that all the charging cables are with strict quality inspection and will provide maintenance for product quality problems caused by correct use within 1 year from the date of shipment.

This warranty does not cover any damage due to the following cases:

1. Improper handling, installation, use and maintenance by users.
2. The break down and the failure caused by the force majeure, such as direct damage and inability to function properly caused by natural disasters.
3. Products are filled with water or soaked in water.

This warranty does not include the cost of returning to the factory for repair.

This warranty is only valid to the original purchaser of the device and is not transferable.