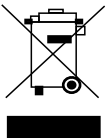



# Portable EV Charger User Manual

Charging plug	<input type="checkbox"/> US type1	<input type="checkbox"/> EU type2	<input type="checkbox"/> GBT
Current	<input type="checkbox"/> 6-13A	<input type="checkbox"/> 6-16A	<input type="checkbox"/> 6-32A
Power plug	<input type="checkbox"/> Schuko		
	<input type="checkbox"/> British		
	<input type="checkbox"/> Israel plug		
	<input type="checkbox"/> Au plug		
	<input type="checkbox"/> Blue CEE		
	<input type="checkbox"/> Red CEE 16A		
	<input type="checkbox"/> Red CEE 32A		



# Symbol Meaning

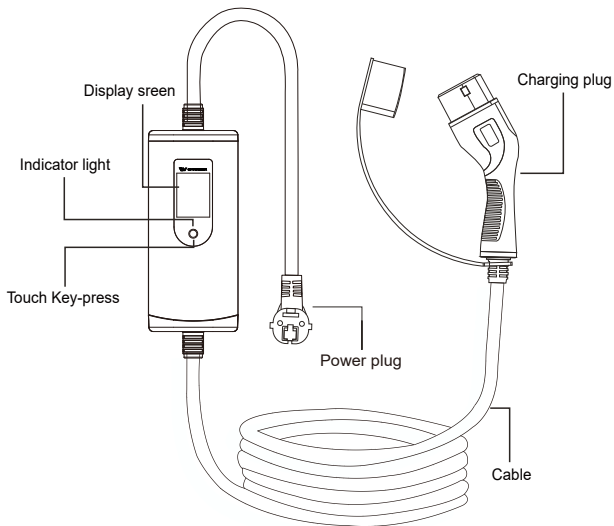
Symbol	Meaning
	<p>“Non-recyclable” mark: located on the product, instruction manual or package, indicating that electrical and electronic equipment and its accessories should be treated separately from ordinary household waste. When scrapped, it should be treated as industrial waste, otherwise it may cause accidents.</p>
	<p>Warning sign: indicates danger. Pay attention to the personal injury that may be caused by operation procedure or incorrect operation. Actions after the “warning” mark can only be performed when the conditions indicated by the condition are fully understood and satisfied.</p>

The company is committed to the continuous improvement and update of the product, product hardware and software will continue to upgrade, the information provided is subject to change without prior notice.

Version:V2.0

Revision date:2023-09

# Product Overview



\*Charging plug and power plug refer choices on cover page.

Appearance of portable AC charger

# Basic Parameters

Parameter		
Working voltage	200~240VAC (1Phase)	400~440VAC (3Phase)
Rated power	7KW Max	22KW Max
Frequency	50/60Hz	
IP Degree	IP65	
Mechanical life	No-load plug in/pull out>10000 time	
Impact of external force	1m drop and 2T vehicle run over pressure	
Insulation Resistance	> 100M ohm (DC 500V)	
Terminal Temperature Rise	<50K	
Use environment		
Working temperature	-35℃ ~ +50℃	
Working humidity	5%~95%HR	
The cooling way	Natural air cooling	
Display function		
Display parameters	Charge voltage, charge current, charged power, SOC, fault code	
Physical size		
Control box size	L220xW100xH60mm	

# Control Box Function

- . Leakage protection (restart recover).
- . Over voltage, under-voltage protection (self-checking recover).
- . Lightning protection.
- . Over current protection.
- . Overheat protection.

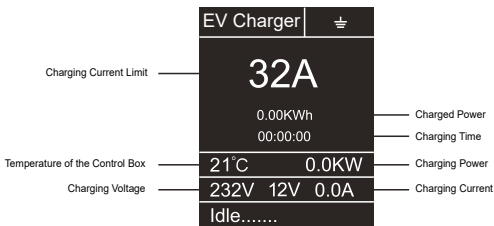
## Cautions

- . DO not step on the cable, do not pull it, do not fold it up and do not knot it.
- . DO not drop the control unit or put heavy things on it.
- . DO not place the charging cable near high-temperature objects.
- . DO not place the unit in the car or in a closed room while charging.
- . DO not use the device in extreme temperatures, normal operating range (  $-35^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ).
- . Make sure that the charging plug, the cable and the control box are free from any signs of Scratches, rust, cracks, etc.
- . DO not charge if the power outlet is damaged, rusted, cracked or loosely connected.
- . Before charging, make sure the power plug and outlet are compatible.

## Warnings

- . Use only on the mains with fault current circuit breaker.
- . DO not use this product if the EV charging cable is damaged.
- . For use with EV charging only.
- . The product must be grounded.
- . DO not use this unit with an extension cord or adapter.
- . DO not insert any fingers into the charging plug.
- . The unit contains no user serviceable parts. DO not try to repair or service the device yourself.
- . If the unit does not work properly in accordance with the operating instructions, do not use this unit. Contact your dealer for a repair or replacement.
- . Use the product under normal away from high temperature erosive materials or ignition source.
- . DO not contact metal conductor to prevent electric shock accident.
- . Product shell is made of thermoplastic, please do not pound it to avoid reducing performances.

# Led Screen Description



## Charge

1. Check the power distribution cable for damage before powering up.
2. Plug the mains plug into the socket.
3. Make sure that the power outlet complies with national standards and that the socket is corresponding.
4. Plug the vehicle plug into the socket is fully inserted until it clicks into place.
5. Make sure that the vehicle connector is fully inserted until it clicks into place.
6. The charger works automatically, the indicator light is blinking blue.
7. For current adjustable models, switch the power and current before plug the connector into vehicle socket.

## Charge completed

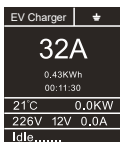
1. Disconnect the power plug.
2. Disconnect the charging connector.
3. Cover the connector cap onto plug.
4. Insert the charging cable into the carrying case.

## Warranty

Damage caused for the following reasons is not covered by the warranty:

1. Improper handling, installation, use and maintenance by the user.
2. Product falls into the water.

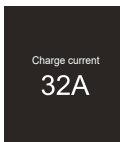
# The interface display



Initial interface

Long press 3sec

Enter the Settings page



POWER

Click to adjust the power

6A/8A/10A/13A/16A/20A/24A/32A

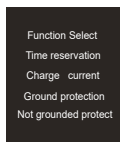
Long press 3sec to confirm



GND

Click to grounding mode

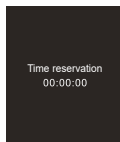
Long press 3sec to confirm



Setting interface

Click to select

Long press 3sec to confirm

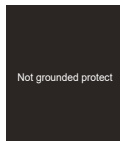


TIME

Click once to add

1 hour Maximum

setting 12 hours



NOT GND

Click to ungrounding mode

Long press 3sec to confirm



# Indicator light description

Working Condition	Light state		
	Red	Green	Blue
Power On (Unplugged)	/	Stays On	/
Insert the plug (Uncharged)	/	Flashing	/
Charging Mode	/	/	Flashing
Charging Completed	/	/	Stays On
Communication Error	1 Flash	/	/
Under-voltage protection	2 Flashes	/	/
Over-voltage protection	3 Flashes	/	/
Ground Fault	4 Flashes	/	/
Over current protection	5 Flashes	/	/
Relay Failure	6 Flashes	/	/
Leakage protection	7 Flashes	/	/
Over-temperature protection	8 Flashes	/	/

Remarks: Error Frequency is 0.5S, pause 2S, continuous loop.

## When the red light flickers

- |                                    |   |
|------------------------------------|---|
| 1. One times 0.5s on, 0.5s off :   | CP voltage abnormal                                 |
| 2. Two times 0.5s on, 0.5s off :   | Input under voltage or abnormal grid frequency      |
| 3. Three times 0.5s on, 0.5s off : | Input over voltage or abnormal grid frequency       |
| 4. Four times 0.5s on, 0.5s off :  | The charging box is not grounded or poorly grounded |
| 5. Five times 0.5s on, 0.5s off :  | Over current fault during charging                  |
| 6. Seven times 0.5s on, 0.5s off : | There is a leakage problem during charging          |
| 7. Eight times 0.5s on, 0.5s off : | Over temperature protection                         |





