

Portable Charger User Manual



1. Welcome

Thank you for choosing our portable electric vehicle charger.

EN: Please scan the QR code below to access the document in other languages.

ES: Por favor, escanea el código QR a continuación para acceder al documento en otros idiomas.

PT: Por favor, digitalize o código QR abaixo para acessar o documento em outros idiomas.

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AI: یرخأ تاغلب دن تسملأ حتفل هاندأ عبرملأ زمرلأ حسم یجری

RU: Пожалуйста, сканируйте QR-код ниже, чтобы получить доступ к документу на других языках.



This documentation provides general descriptions and technical characteristics of our products. However, it is not intended as a substitute for determining the suitability or reliability of these products for specific user applications. Users must perform appropriate and comprehensive risk analysis, evaluation, and testing of the products concerning their relevant specific application or use.

Our company is not liable for any misuse of the information herein. If you have suggestions for improvements or amendments or have identified any errors in this publication, please notify us.

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To ensure safety and compliance with regulations, please follow all relevant state, regional, and local safety regulations when installing and using this product. Only the manufacturer should conduct repairs to components to maintain adherence to documented system data and for safety reasons.

When using these devices for applications with specific technical safety requirements, be sure to follow the relevant instructions for proper operation and safety.

Ensure to use our company's software or approved software with our hardware products to avoid injury, harm, or improper operation.

2. Safety Information

Before using or maintaining this product, it is important to read the following safety instructions carefully. Failure to follow and implement all the specified instructions and procedures may invalidate the warranty, and therefore our company will not be liable for any claims

DANGER!!!

- Do not open the charger.
- Do not use the charger if it is damaged.
- Do not use an extension lead on the charging cable.
- Do not touch or insert foreign objects into the plugs.
- Do not install the charger near flammable, explosive, or combustible materials.

WARNING!!!

- The charger must be kept out of reach of children.
- The charger must be connected to a protective earth conductor.
- The electrical installation must comply with all local applicable safety requirements, standards, and guidelines.
- No modifications should be made to the charger.
- Components should not be changed or replaced by the end-user or unqualified personnel.

3. Main Technical Parameters

Product model	ZBAU322E-CS
Product name	Portable Charger
Charging Protocol	IEC 62196 Type 2
Case material	Anodised aluminium + plastic parts
Luggage size Mounting	W480*D330*H130mm Portable or Wall-mount (optional)
Gross weight	8.3kg (whole package)
Cable length	Coupler Connector 5m + Adapter 1m
Input voltage	AC 3PH 400V±20% / AC 1PH 230V±20%
Input frequency	50/60Hz
Rated power	22kW /7kW/3.5kW
Output current	32A (max)
Working temperature	- 25℃ ~ + 55℃
Storage temperature	- 45℃ ~ + 85℃
Working altitude	<2000m
Ingress Protection	Main body IP67
Shock resistance	IK10
over voltage protection, under voltage protection, over current protection, leakage protection, grounding protection, overheating protection.	

4. Installation Guide

WARNING!!!

Do not mount the portable charger in areas containing highly flammable or gases. Do not mount the portable charger in potentially explosive atmospheres.

4.1 Before Installation

4.1.1 ZBAU322E-CS Series intelligent IEC2 portable chargers can be installed on the wall with bracket according to the application.

4.1.2: Make sure an appropriate MCB (Main Circuit Breaker) is installed at upstream of AC power supply to the charger, the specification of MCB must suit the specification of applied adapter, undersized MCB is strictly prohibited.

For home appliance adapters such as Type F, Type B etc., dedicated MCB (2P, 20A, 230V, 6kA) is recommended.

For adapter CEE 1P 32A, dedicated MCB (2P, 40A, 230V, 6kA) is recommended.

For adapter CEE 3P 32A, dedicated MCB (4P, 40A, 400V, 6kA) is recommended.

For adapter CEE 3P 16A, dedicated MCB (4P, 20A, 400V, 6kA) is recommended.

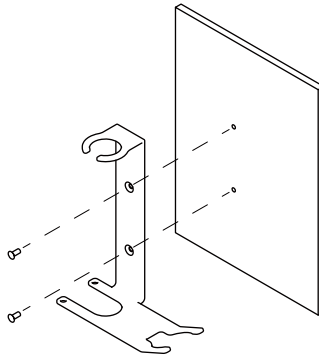
4.2 Wall mounting (optional)

4.2.1 Use the supplied mounting bracket to locate and mark the holes on the wall, drill $\Phi 6 \times 30$ holes, and insert expansion bolts into the holes.

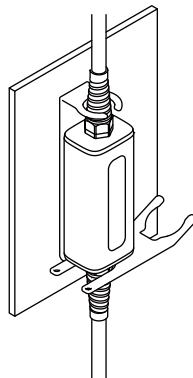
4.2.2 Mount the bracket on to the wall with supplied screws, and put the charger (main body) on the bracket as illustrated.

4.2.3 Put the coupler head on the coupler holder as illustrated. Switch on MCB only when appropriate input adapter is properly connected.

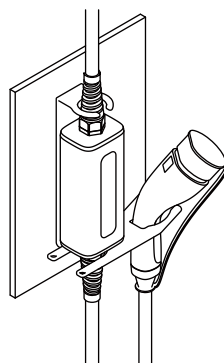
4.3 Installation steps



Select a suitable place to take two $\text{Ø}6 \times 30$, then fix the bracket to the wall.



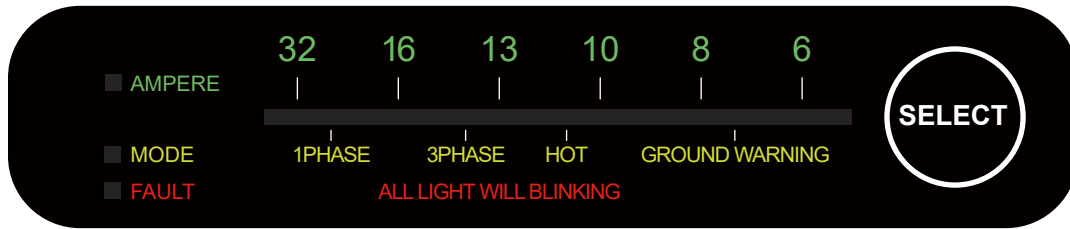
Place the charger main body on the bracket, use a suitable locker to secure the installation.



Place the coupler head on the coupler holder, and covered with the protective cap.

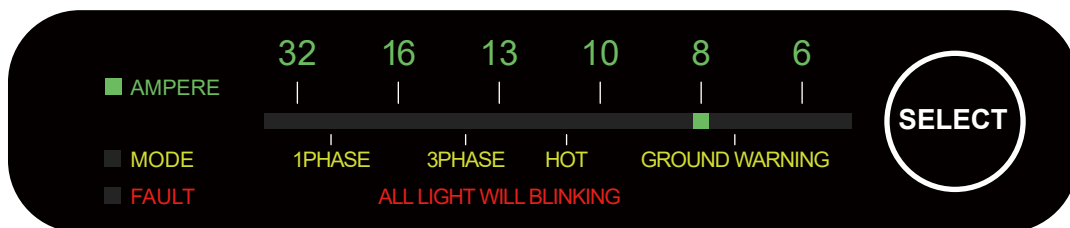
5. Charger User Guide

Current adjust : Please use SELECT button "Select"



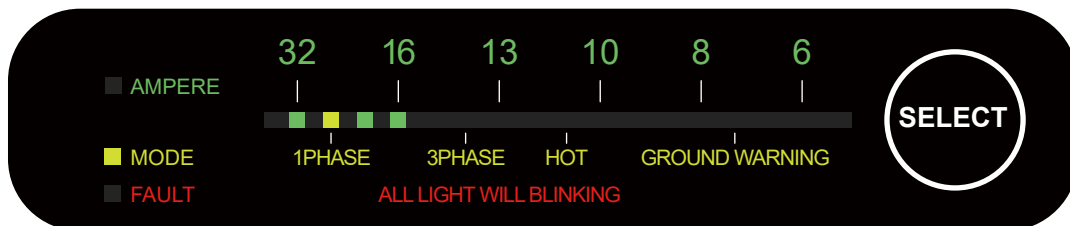
5.1.1 Green LED:

AMPERE: Displays the current value (i.e. charging current) that is automatically set or individually adjusted. The led lights up underneath indicates the value.



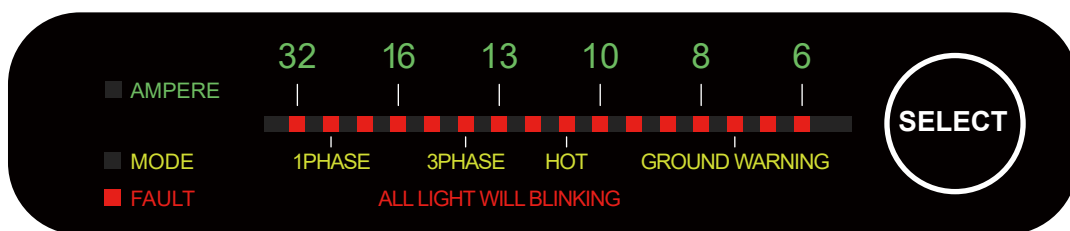
5.1.2 Yellow LED:

Mode: Displays the charger working status.



5.1.3 Red LED:

Fault: When a fault occurs, all the lights will flash.



5.2.1 Current adjustment:

The operating current is automatically set when the appropriate power-inlet adapter is connected to the charger, however, before charging, always check the set charging current **MUST** not exceed the charging current specified by the socket, nor the maximum charging current specified on the power inlet adapter.

There are circumstances when user may need to adjust the charging current manually:

5.2.1.1 Press the SELECT button until the green LED light starts flashing, indicating that the charger is ready for current adjustment.

5.2.1.2 Press the SELECT button until the LED below the required amp is light up.

5.2.1.3 When it's 6A, press the SELECT button, the LED light will circle back to the biggest current on the bar.

5.2.1.4 Lower charging current is recommended for old and continuously operating units. The charging current should also be reduced for multiple electric vehicles charging scenario. If the outlets have fuses and specifically require a lower current value, low charging current should apply.

5.2.1.5 For safety, the maximum charging current MUST not exceed the charging current specified by the socket, nor the maximum charging current specified on the power inlet adapter.

5.2.1.6 The selected Settings will be saved automatically after about 5 seconds. The current value selected will then be displayed as a green LED.

5.2.1.7 The previous charging current will be saved automatically. When encounter a charge interruption or a re-connection, the previous charging current will apply.

5.2.2 Operating Instruction :



Inspection Before charging

Check the integrity of charging coupler, connector and power inlet adapter, ensuring no foreign objects, water or impurities are present.



Connecting to Vehicle

Plug the charging connector to the vehicle and wait for the light indicator to flash green slowly, signaling it's ready to charge.



Charge operation instruction

1. When the charging stops, the indicator will return to standby.
2. Unplug and close the charging port.
3. Secure the plug and coil the cable on the holder.

⚠ ATTENTION!!!

Don't unplug the Portable Charger before pulling the plug out of the socket, there's risk of electric shock.

5.3 Optional adapter

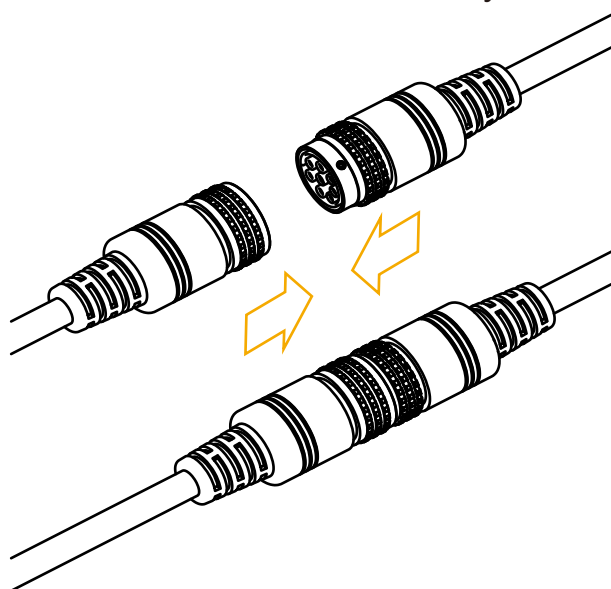
5.3.1 The following are replaceable plug types.



5.3.2 Factory default match (3.5KW/16A) plug specifications. as shown in the following picture.



5.3.3 Please change the power inlet adapter as illustrated when needed. Pull out the sleeve and align the connecting position mark, then release the sleeve. Make sure the all the connections are intact to avoid safety risks.



6. Status Indication

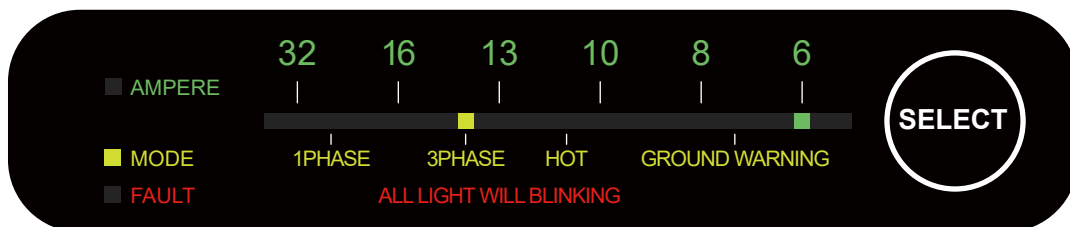
1PHASE:

Indicates single phase power inlet is connected and the charger is working on single phase mode.



3PHASE:

Indicates 3-phase power inlet is connected and the charger is working on 3-phase mode



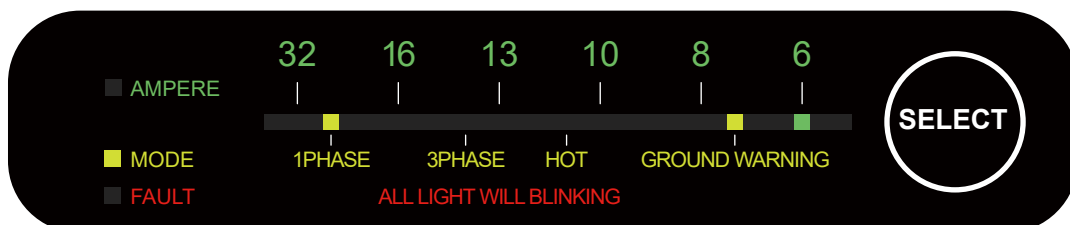
HOT:

Indicates the charger is over-heating, the output current is automatically reduced to 6A, please check the temperature of the charger.



GROUND WARNING:

Indicates the grounding is not intact, output current is automatically reduced to 6A.



Please check the grounding of power connection to avoid risks.

7. Fault indication

Error code	Fault description	What to do
Red light flashes once	Leakage	Contact the Customer Service
Red light flashes twice	CP Error	Contact the Customer Service
Red light flashes 3 times	Overvoltage	Contact local Power Utility Company
Red light flashes 4 times	Undervoltage	Contact local Power Utility Company
Red light flashes 5 times	Overcurrent	Contact the Customer Service
Red light flashes 6 times	Over Temperature	Check ambient temperature and charger working status
Red light flashes 7 times	Relay Adhesion	Contact the Customer Service
Red light flashes 8 times	Power input Phase missing or unbalanced	Contact the Customer Service

8. Recycling and disposal

8.1 This device is used to charge electric vehicles and is subject to the EU directive 2012/19 / EU on waste electrical and electronic equipment (WEEE).

8.2 Disposal must be according to national and regional Regulations for electrical and electronic equipment respectively.

8.3 Devices and battery must not be disposed with household waste or bulky waste. Before the device being disposed should it be rendered inoperable.

8.4 Dispose of the packaging material in the region's specific collection container for cardboard, paper, and plastics.

