

Portable Charger User Manual



Version: 1.2

Preface	1
Safety Instruction	1
1 Product Overview	2
1.1 Device specification.....	2
1.2 Function characteristics.....	2
2 Product Structure	3
2.1 Device appearance	3
2.2 Indicator light definition.....	4
2.3 Physical dimension.....	5
3 Product Installation	6
3.1 Open - package inspection.....	6
3.2 Electrical inspection.....	6
4 Common Fault Handling	7

Preface

Thank you for your support to our products, our company focus on new energy field of electric vehicle charging, dedicated to provide customers with excellent charging equipment and complete solutions.

The independently-developed EV chargers have the characteristics of advanced function, steady performance, abundant products, wide application range and strong practicability, also with skilled charger construction and operation solutions, winning a good reputation in the industry.

Safety Instruction

- 1) Keep the flammable, explosive or flammable materials, chemicals, flammable vapors and other hazard commodities away from the charger.
- 2) Keep the charging gun clean and dry, if dirty, please swipe with clean dry cloth. Touch the connector core is strictly forbidden when power on.
- 3) Do not use the charger in case of charging gun or charging cable has defects, crack, abrasion, leakage, cable metal bare and so on. Please contact the working staff in case of above conditions.
- 4) Do not attempt to disassemble, repair, refit the charger. If necessary, please contact the working staff. Incorrect operation will cause the broken, water and electric leakage, etc.
- 5) In case any abnormal conditions happen, please press the emergency stop button immediately, cut off all input and output power supply.
- 6) Please make charging cautiously in raining or lighting weather.
- 7) The children should not get close to or use the charger to avoid being hurt.
- 8) During the charging, the EV is not allowed to drive. Charging only when the EV stands still. For Hybrid car, charging only when switch the engine off.

1 Product Overview

AC3500-DE-00 is the portable charging device to enable electric vehicle owners to keep it along with the vehicle and provide service of plug and play charging.

1.1 Device specification

The technical specification parameters of portable charger are as follows.

Items	Technical Parameter
Size specification (l * w * h)	195*74*47mm
Cable length	4m
Installation mode	Portable with the car, plug and play
Power supply mode	AC socket power supply
Indicator light	Power, Connect, Charge, Fault
Working voltage	AC 220~240V
Working current	13A
Input frequency	50/60Hz
Rated power	3kW
Safety protection	Leakage current, over voltage, over frequency, over current, high and low temperature, grounding protection, lightning protection
Protection grade	IP65
Working temperature	-30°C~+55°C
Altitude	<2000m
MTBF	100,000 hours
Reference standard	IEC/EN 61851-1, IEC/EN 61851-22

1.2 Function characteristics

1.1.Electric vehicle charging

Portable charger as a plug and play type charging device, with simple structure and simple operation, supports charging directly from the AC power grid for electric vehicle owners at any time.

2. Charging status monitoring

The portable charger has a stable performance during the usage. The user can intuitively monitor the charging status through the user interface.

3.Charging protection

Portable charger has the charging protection, such as current leakage, over voltage, over frequency, over current, high and low temperature, grounding protection, lightning protection and so on, to ensure the charging safety.

2 Product Structure

2.1 Device appearance

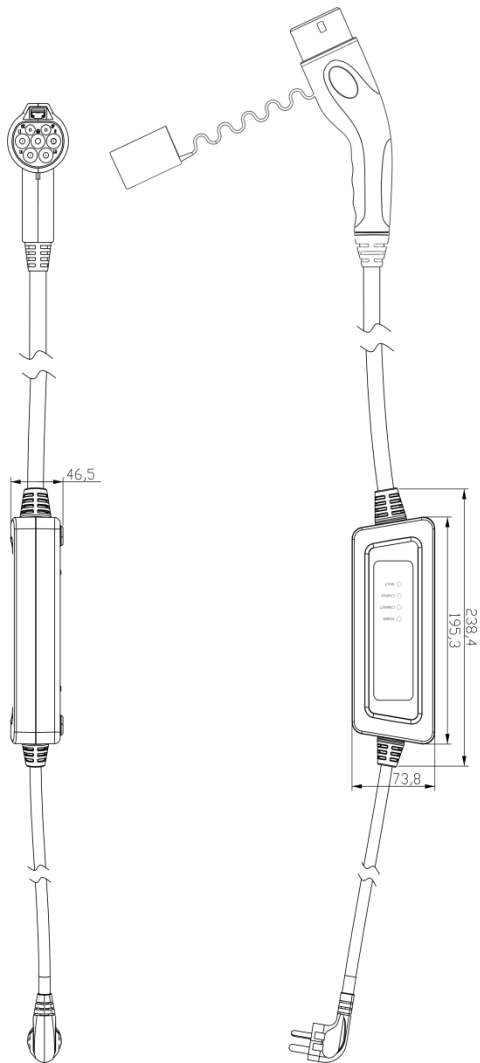
The portable charger uses high strength plastic, black color design, and four LED lights indicating the equipment status. It's firm and durable, as shown in photo below.



2.2 Indicator light definition

Indicator Light	Description
Power (1st LED from top to bottom)	Green light on: The power connection is normal
Connect (2nd LED from top to bottom)	Green light on: The device is connected to the vehicle socket normally.
Charge (3rd LED from top to bottom)	Yellow light flashing: The device is charging an electric vehicle; Yellow light on: The electric vehicle is fully charged.
Fault (4th LED from top to bottom)	Red light on: Grounding fault; Red light flashing slowly- Over/ under voltage/frequency, current leakage; Red light flashing quickly: Over current, temperature protection.

2.3 Physical dimension



Structure Drawing

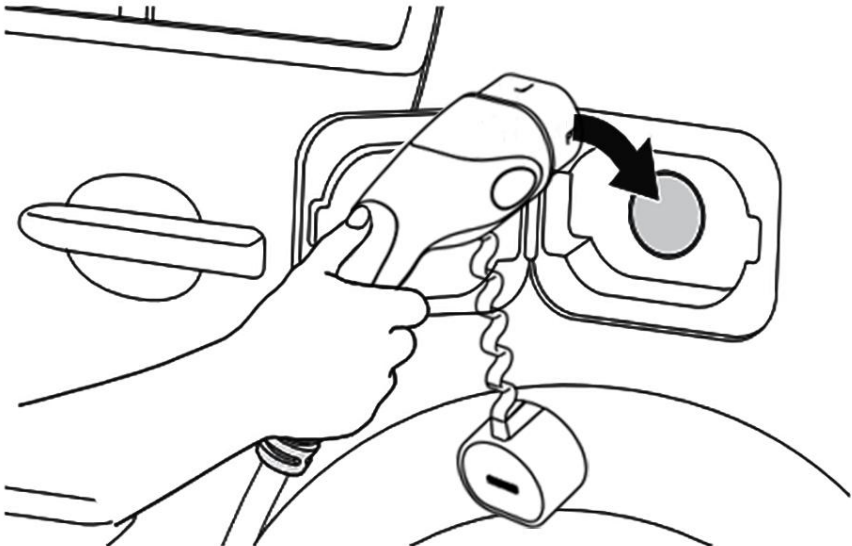
3 Product Installation

3.1 Open - package inspection

- After getting the device, open the package and do the following inspection.
- Visually check the appearance, and then check whether the device is damaged in the transportation. If any damage, please immediately notify the carrier.
- Check whether the accessories are complete and correct against the shipment packing list. If any accessory is found absent or incorrect, take timely record on site and contact with the local office of the company immediately.

3.2 Electrical inspection

- Check again whether the cable is damaged before the power is connected.
- Insert the power supply plug into the power supply socket, and check whether the Power LED indicator is on in green. If the LED is not lighted up, check whether the socket is charged and check whether the connection is firm.
- After step 1 and 2 works normally, insert the charging gun into the charging socket of the electric vehicle and carefully check whether the insert is in place to ensure the connection is reliable.



- Check whether the connect LED indicator is on in green.
- When the connect LED indicator is green, it means the charging connection is normal and then it will enter the charging mode and the charge LED indicator will display green.
- If the Fault LED indicator is red in the process of charging, please check whether the device and socket power supply is normal.

4 Common Fault Handling

Fault	Possible Failure Cause	Recommendations for Troubleshooting
The Power LED is not on after power connection	The socket is not supplied with electricity or the connection is unreliable.	Check the electricity supply for the socket and ensure reliable connection.
After connection with power, the Fault LED indicator is red on	Protection action, unable to charge	1. Please check whether the socket voltage is in the normal range
		2. Check whether the connection is reliable.
		3. Check the charging device and the vehicle for short circuit and current leakage.
		4. If you can't eliminate the troubles, please contact us.