



# User and Installation Manual



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1. Safety Information

Thank you for purchasing and using the electric vehicle mode 2 charger.  
This document contains important instructions and warnings that must be followed when using and maintaining the EV Charger.  
In order to help you to use the product correctly, please read this manual carefully before charging.

Warning

- Read this entire mandatory document before using the EV charger.
- This device should be supervised when used around children.
- Do not install or use the EV Charger near flammable, explosive, harsh, or combustible materials, chemicals, or vapors.
- Use the EV Charger only within the specified operating parameters.
- Stop using and do not use the EV Charger if it is defected, cracked, frayed, broken, or otherwise damaged, or fails to operate.
- Do not attempt to disassemble, repair, tamper with, or modify the EV Charger. Contact use for any repairs or maintenance.
- Do not touch the EV Charger's end terminals with sharp metallic objects, such as wire, tools or needles.
- Do not forcefully fold or apply pressure to any part of the EV Charger or damage it with sharp objects.
- Do not insert foreign objects into any part of the EV Charger.
- Before use, please confirm whether the parameters of the electric vehicle match the chargers, otherwise it may cause damage to the vehicle.

Cautions

- For safe electricity usage, it is not recommended to use the device to charge in the open air on rainy days.
- Do not immerse the AC Charging device in water
- Do not step on the cable, pull the cable, bend the cable or tie the cable
- Do not drop the control box or put heavy objects on its surface
- Do not place the device near objects that generate high temperature while charging
- Do not put the device in the car or in a closed space while charging
- Do not operate the EV Charger in temperatures outside its operating range of -30°C to +50°C.
- When not charging, seal the charging connector interface with a waterproof silicone cover to prevent rain/moisture from entering and causing pathna.

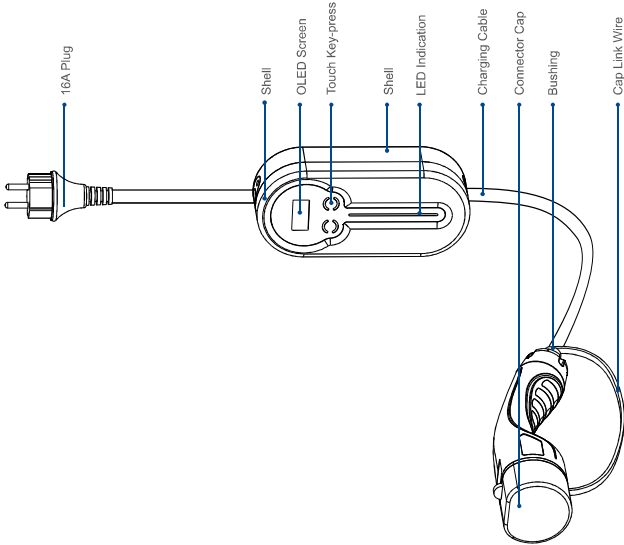
Notes

- For electric vehicle charging only
- This product must be well grounded when using
- Do not use the device when the charging cable is damaged
- Do not put your fingers in the charging plug
- Do not use extra wires or adapters
- This produce does not contain user maintainable parts, please do not attempt to repair and maintain it yourself.
- If the device cannot be charger normally according to this operation manual, please contact the dealer for repair or replacement.

## 2. Product Introduction

The charger is designed according to IEC 62752, IEC 61851-21-2 standard, mainly consists of control box, charging connector, plug and etc... Which is a portable electric vehicle charging device. It enables car owners to charge electric vehicles anywhere using a standard home power interface, featuring high efficiency and portability.

### 2.1. Product Appearance



### 2.2. Product Specification

| Parameter description      | Parameter                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                      | BCPP-A1-16                                                                                                                                                                                                                                                                |
| Standard                   | IEC 62752, IEC 61851-21-2                                                                                                                                                                                                                                                 |
| Rated Input/Output Voltage | 230Vf 100~265V                                                                                                                                                                                                                                                            |
| Frequency                  | 50Hz/60Hz                                                                                                                                                                                                                                                                 |
| Rate Charging Current      | 8A/10A/13A/16A                                                                                                                                                                                                                                                            |
| Standby Power Consumption  | <1.5W                                                                                                                                                                                                                                                                     |
| Operating Temperature      | -30°C~50°C                                                                                                                                                                                                                                                                |
| Storage Temperature        | -40°C~85°C                                                                                                                                                                                                                                                                |
| Operating Humidity         | 5%~95%                                                                                                                                                                                                                                                                    |
| IP Protection              | IP66                                                                                                                                                                                                                                                                      |
| IK Rating                  | IK10 (LCD SCREEN EXCLUDED)                                                                                                                                                                                                                                                |
| Safety Protection          | Leakage Protection, Over Current Protection, Over Voltage Protection, Fire Protection, Under Voltage Protection, Over Temperature Protection, Relay Adhesion Protection, Ground Protection, Lightning Protection, CP Signal Abnormal Protection, Anti-pressure Protection |
| Insulation Resistance      | >100MΩ                                                                                                                                                                                                                                                                    |
| Dielectrical Strength      | 1430VAC/1min                                                                                                                                                                                                                                                              |
| Impulse Withstand Voltage  | 2.5KV                                                                                                                                                                                                                                                                     |
| Working Life               | <10000 times                                                                                                                                                                                                                                                              |
| Flame Retardant Rating     | UL94-V0                                                                                                                                                                                                                                                                   |
| Operating Altitude         | <2000m                                                                                                                                                                                                                                                                    |
| Charger Dimension          | L:200mm W:90mm H:55.5mm                                                                                                                                                                                                                                                   |
| Plug Cable Length          | 1m                                                                                                                                                                                                                                                                        |
| Total Length               | 7m as standard (Customized length available)                                                                                                                                                                                                                              |

Note: When the internal temperature of the EV charger reaches above 65°C, it will start to derate. When the temperature exceeds 85 °C, the charger will stop working.

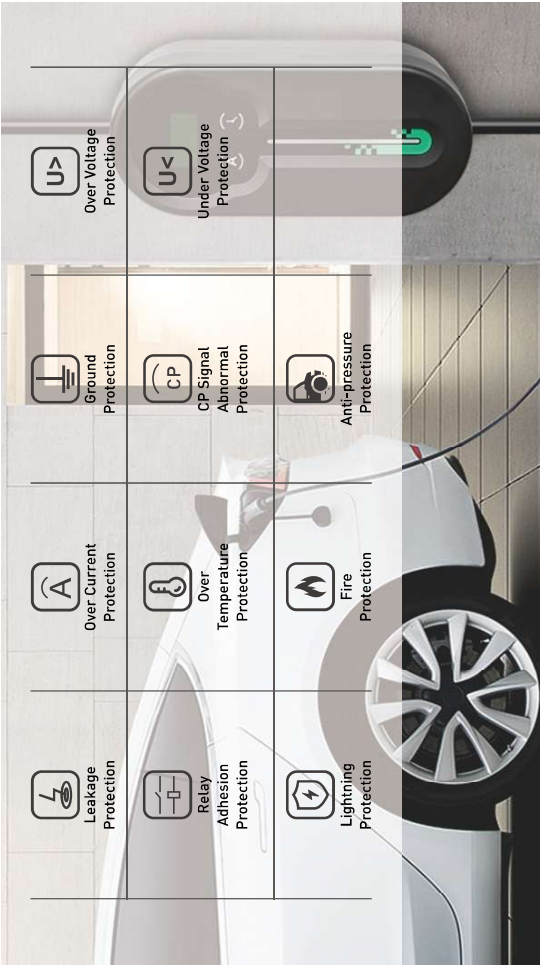
### 2.3. Plug Types

|                 | EU(German)            | AU                   | ZA                   | UK                   | BRA                  | USA                   |
|-----------------|-----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
|                 |                       |                      |                      |                      |                      |                       |
| Model Type      | ZH-3                  | YP-39A               | ZH-70A               | YP-61A               | ZH-72B               | ZH-02                 |
| Current/Voltage | 16A/250V~             | 20A/250V~            | 16A/250V~            | 13A/250V~            | 16A/250V~            | 15A/125V              |
| Wire            | H07B25~F<br>30 2.5mm² | H05VW~F<br>30 2.5mm² | H07BN~F<br>30 2.5mm² | H05VW~F<br>30 2.5mm² | H07BN~F<br>30 2.5mm² | SJ<br>14AWG*3C*2.8mm² |
| Material        | PVC                   | PVC                  | PVC                  | PVC                  | PVC                  | N.P.C-46P             |

2.4. Product Packing List

| 2.4. Product Packing List                                                           |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| x1                                                                                  | x1                                                                                  | x1                                                                                  |
| NO.                                                                                 | Item                                                                                | Quantity                                                                            |
| 1                                                                                   | Portable AC EV Charger                                                              | 1                                                                                   |
| 2                                                                                   | Portable EV Charger Bag                                                             | 1                                                                                   |
| 3                                                                                   | User Manual                                                                         | 1                                                                                   |

2.5. Product list



With full protection to avoid all kinds of charging safety hazards, it will automatic power off after the vehicle is fully charged, to protect the car battery and prolong the working life.

2.6. Product Features

- Build-in with Over Current Protection, Over Voltage Protection, Under Voltage Protection, Over Temperature Protection, Relay Adhesion Protection, Ground Protection, CP Signal Abnormal Protection, Fire Protection, Anti-pressure Protection and Type B Leakage Protection.
- It can be charged by appointment, 0-24 hours.
- Adjustable Charging Current for Easy Charging.
- Automatically recharge after power failure recovery.
- With lightning protection device to ensure personal safety.
- With OLED screen display, more intuitive and clear.
- With Touch key-press, more flexible and convenient operation.
- IP66 protection, operating humidity range 5%-95% for indoor and outdoor.
- Operating temperature range: -30°C ~ +50°C.
- Standard: IEC 62752, IEC 61851-21-2.

3. Operating Status

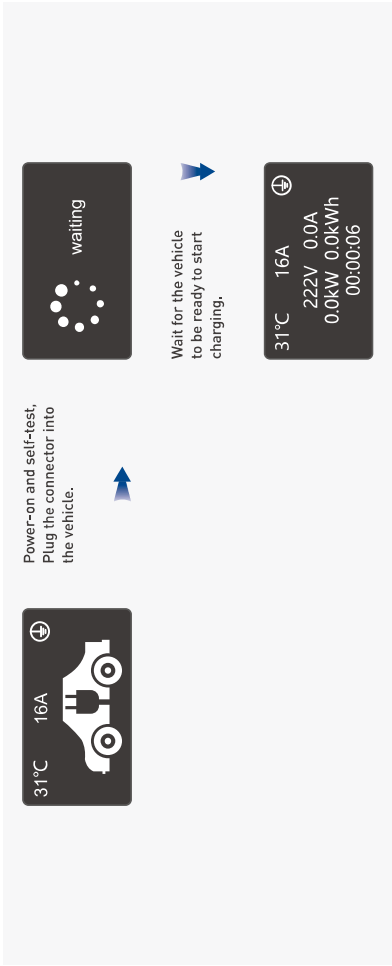
3.1. LED Light Description

| Normal Status                                                                       |                                                   |                                                                |                           |                            |
|-------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------|---------------------------|----------------------------|
| LED Lights Status                                                                   | LED Lights Status                                 | EV Charger Status                                              | Potential Cause           | Action                     |
|    | LED Off                                           | No Power                                                       | Power is not on           | Check Power                |
|   | Green light on                                    | Standby                                                        |                           |                            |
|  | Streaming light runs back and forth               | Plug the connector to set timer charging (Not ready to charge) |                           |                            |
|  | Streaming light runs two ends to middle           | The charger is ready, the vehicle is not ready,                |                           |                            |
|  | LED light runs from middle to end (Not to bottom) | Charging without current                                       | Plugged to start charging | Check if connector plugged |
|  | Streaming light runs from middle to up and down   | Charging normally                                              |                           |                            |
|  | All lights on green                               | Charging completed                                             |                           |                            |

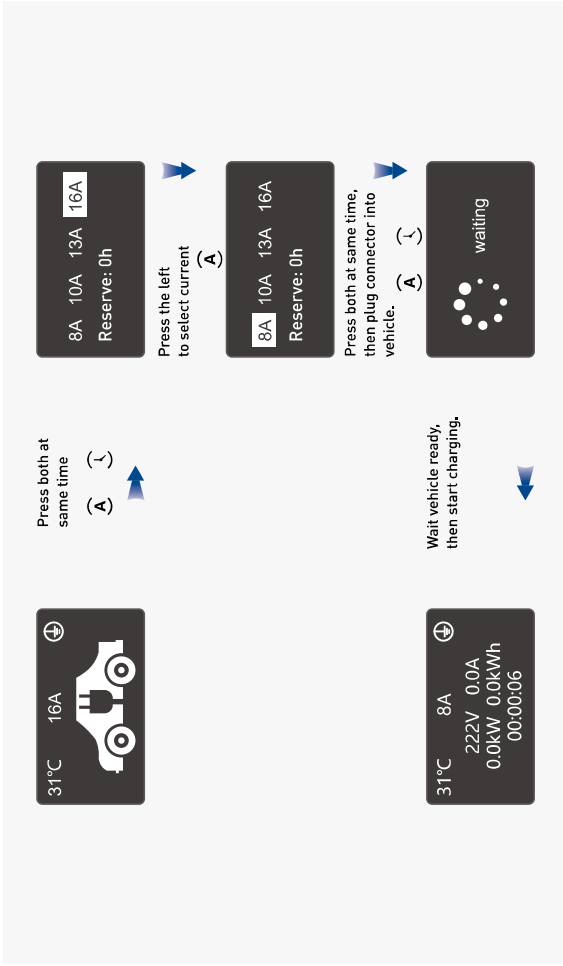
3.2. OLED Screen Description

| Picture | Status                  | Press Left Key           | Press Right Key    | Press Left and Right Together               |
|---------|-------------------------|--------------------------|--------------------|---------------------------------------------|
|         | Poor grounding          |                          |                    | Ignore poor grounding and start charging    |
|         | Wait for Plug           |                          |                    | Enter interface of setting                  |
|         | Setting                 | Set max charging current | Set timer charging | Save Settings                               |
|         | Charging                |                          |                    | Enter interface for emergency stop charging |
|         | Emergency stop charging | Stop                     | Cancel             |                                             |

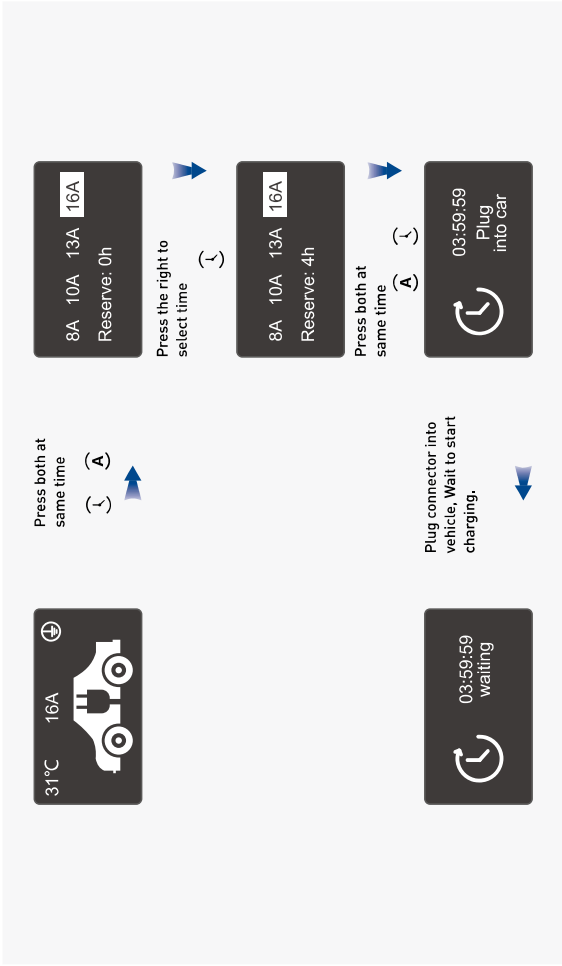
4. How to Plug and Play



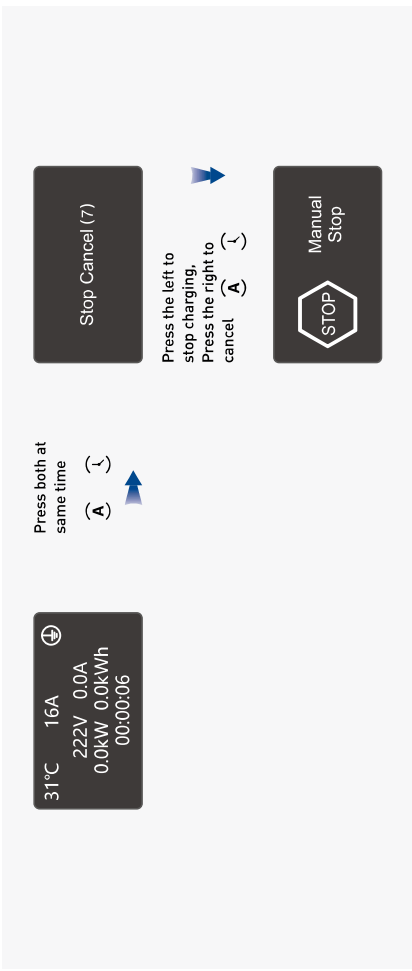
5. How to set charging current



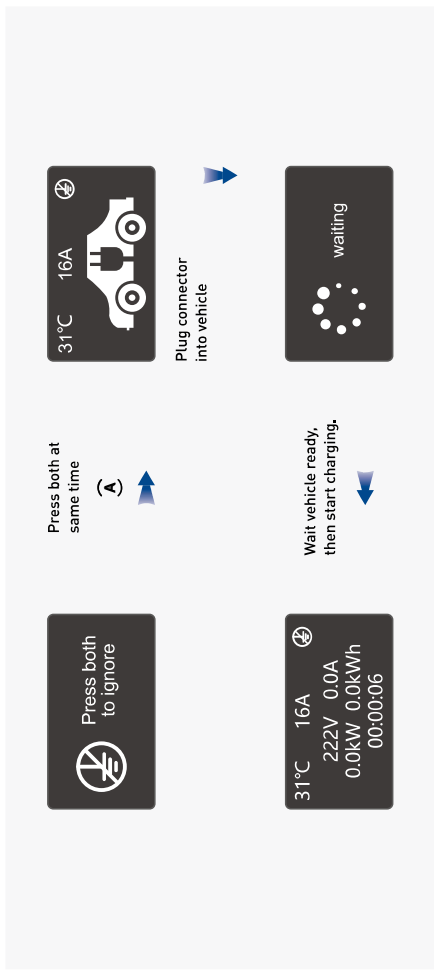
6. How to set a timed charging



7. How to emergency stop charging



8. How to set temporarily charging when the socket without ground wire



9. Permanently turn off the ground detection setting



Double-click to enter the setting interface

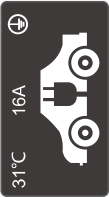




Double-click and hold for 5s to enter the ground detection setting interface







Click the left button to confirm, right to cancel



10. Warranty Description

- Two-year free warranty is provided for any damage or malfunction caused by quality problems from the date of production of the charger.
- Any damages caused by failure of operations, irresistible natural reasons, wrongs installation or use against with the instructions, is not covered by the warranty.
- Non-professionals are not allowed to repair the chargers. Any problems during installation or use, please contact the dealer first.