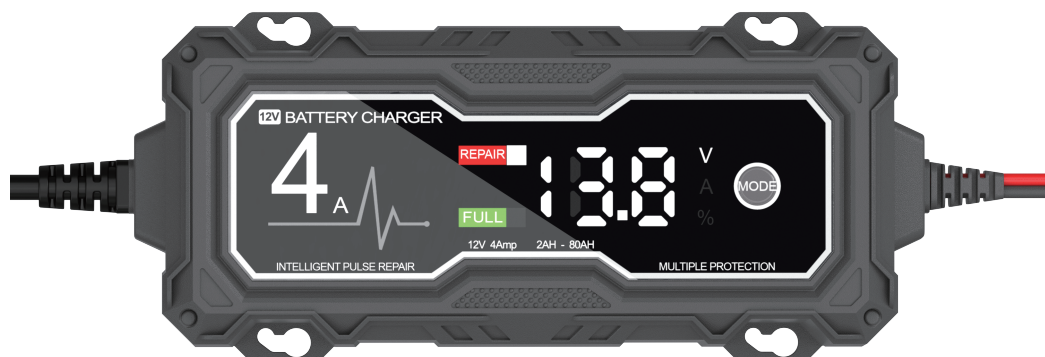


# 12V 4A

## BATTERY CHARGER

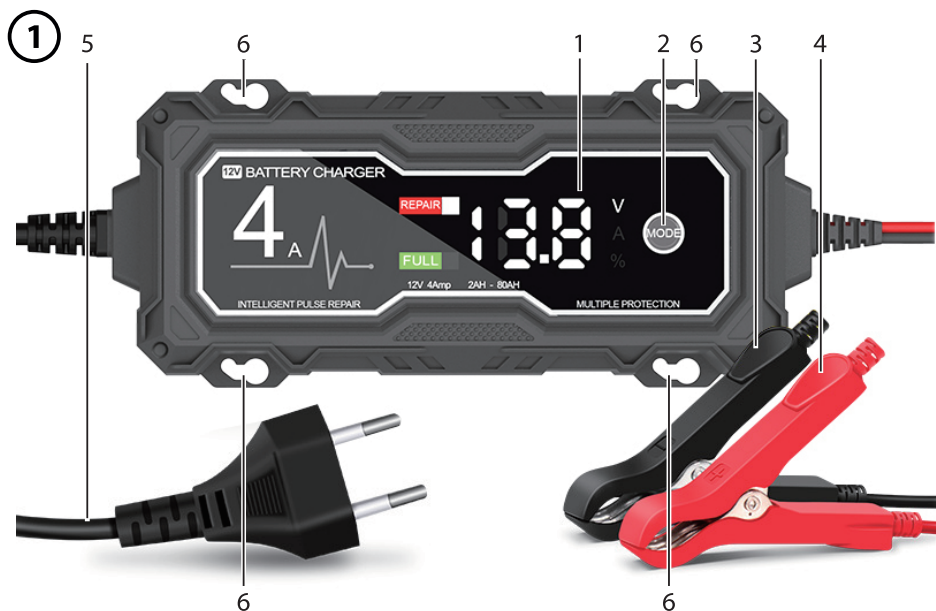
### BC114



\*Please read this manual carefully before use, and keep it properly for future reference.

# USER MANUAL

## Description of Charger Components



1.Charger Display

4. Red Clip (+)

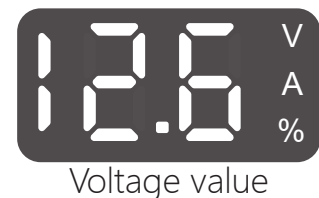
2.Mode Switch Button

5.Power Input Line

3.Black Clip (-)

6.Wall Mounting Hole

②



## Charger Operation Method

**Charging mode:** Suitable for regular lead-acid batteries and lithium iron phosphate batteries used in cars, motorcycles, etc.

1. Check if the battery parameters match the charger;
2. Connect the output clamps to both ends of the battery, with the red clamp on the positive terminal and the black clamp on the negative terminal;
3. Plug the charger power cord into the mains;
4. When the "FULL" indicator light on the charger illuminates, it means the battery has stopped charging.

**Repair mode:** Suitable for all types of lead-acid batteries. It is recommended to perform battery repair once a month.

1. Check if the battery parameters match the charger.
2. Connect the output clamps to both ends of the battery, with the red clamp on the positive terminal and the black clamp on the negative terminal.
3. Plug the charger power cord into the mains.
4. Press the "MODE" button on the charger until the "REPAIR" indicator light illuminates.
5. After 12 hours, when the "FULL" indicator light on the charger illuminates, it indicates that the battery has been repaired.

**Maintenance mode:** Suitable for vehicles or batteries that are not used for a long time.

1. Check if the battery parameters match the charger.
2. Connect the output clamps to both ends of the battery, with the red clamp on the positive terminal and the black clamp on the negative terminal.
3. Plug the charger power cord into the mains.
4. Long press the "MODE" button on the charger for 3 seconds until the charger displays "SP".

## Charging Schedule

Battery Capacity	Time
2AH-10AH	0.5-3H
10AH-20AH	3-5H
20AH-40AH	5-7H
40AH-60AH	7-9H
60AH-100AH	9-15H

## Troubleshooting Common Problems

### **1. The battery is low, but the "FULL" indicator light is flashing during charging.**

Reason: The voltage of the battery that is fed, vulcanized or idle for a long time is too low. Because the internal resistance of the battery is too large, or the capacity of the battery is reduced, the full voltage value will be instantaneously reached during charging and cannot be charged, so it will display full!

Solution: Press the "Mode" button three times after powering on, enter the repair mode and try to repair the charge to activate the battery.

### **2. The connected battery shows the voltage but there is no response when plugged in.**

Reason: This is because the charger has no mains input.

Solution: Check whether the socket is electric and try to replace it.

### **3. The AC power supply is powered on, and the battery LCD screen blinks.**

Reason: The battery has zero power at all, and the charger cannot recognize the battery.

Solution: Try charging in parallel with a charged battery, or replace the battery.

## Safety Precautions

1. Read this manual carefully before using the charger.
2. Ensure proper ventilation and avoid charging in a confined space.
3. Only use the charger with compatible battery types as specified.
4. Avoid exposure to water or extreme temperatures.
5. Keep children and pets away from the charger during operation.
6. Disconnect the charger from power source before connecting or disconnecting from the battery.
7. If any abnormality or damage is noticed, discontinue use and contact customer support.
8. Follow the vehicle manufacturer's guidelines for battery maintenance and charging.