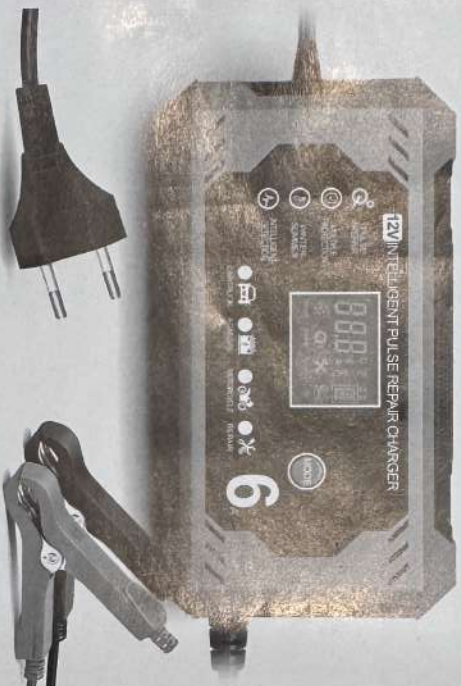


# 12V6A CHARGER

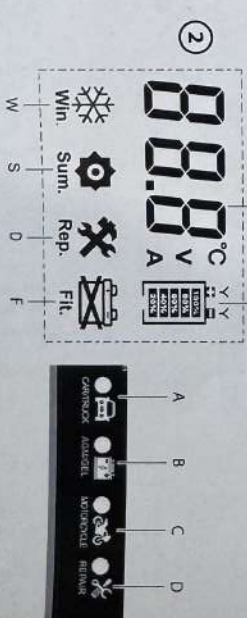
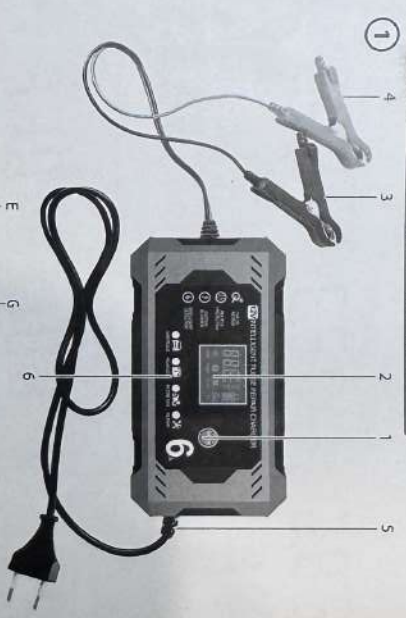
## H-6GS



\*Please read this manual in detail before use

## USER MANUAL

### Description of charger components



- 1. Mode switch button
- 2. Charger display
- 3. Black clip (-)
- 4. Red clip (+)
- 5. Power input line
- 6. Mode indicator light

- A. CAR/TRUCK mode
- B. AGM/GEL mode
- C. motorcycle mode
- D. Repair mode
- E. temperature, voltage, current display
- F. Abnormal state
- G. Power display
- H. Winter icon
- I. Summer icon

### Charger operation method

1. Check whether battery parameters match the charger
2. Clamp the output cable clip to both ends of the battery with the red terminal and the black terminal
3. Connect the charger power cable to the mains
4. Choose the mode suitable for the battery (refer to "Product Mode Selection" in this manual)
5. When the charger displays "OFF", it means that the battery has stopped charging. At this time, disconnect the power supply. 10 seconds later, check the battery capacity and disconnect the cable clip.

### Charging mode selection

- Vehicle mode: Suitable for ordinary lead-acid storage battery, maintenance-free battery (A indicator)
- AGM/GEL mode: Suitable for AGM/GEL/EFB battery (B indicator)
- Motorcycle mode: Suitable for motorcycle and other types of small battery (C indicator light)
- Repair mode: Faulty battery selection (D indicator light)
- Error mode: The screen displays the icon and flashes.

### Temperature compensation

- Winter: The mode is automatically entered when the room temperature is below 10°C.
- In summer: When the room temperature is higher than 27°C, the mode is automatically entered.
- Room temperature within 10-27°C for normal temperature (do not show the icon). Charging process, micro electricity
- The brain automatically detects the ambient temperature, and adjusts the environment automatically according to the detected ambient temperature
- Charging state, prolong the battery life.

### Product parameter

Model number	H-6GS	Dimension	220x105x55mm
Output current	DC-6A (Max)	Net weight	0.4 KG
Output voltage	DC13.8-14.7V	Input voltage	AC110-240V 50/60HZ
Scope of application	12V 24H-100AH	Lead-acid batteries	



## Charging schedule

Battery capacity	Time
2AH-10AH	0.5-2H
10AH-20AH	2-4H
20AH-30AH	4-6H
40AH-60AH	6-8H
60AH-80AH	8-12H

## Troubleshooting Common Problems

### 1. The battery is low, but it displays (F.U.) fully charged when 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 icon box blinks

**Reason:** The battery has no power at all, and the charger cannot recognize the battery.

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

### 4. Dissatisfied for a long time.

**Reason:** The battery will always be charged due to vulcanization, power feeding, water shortage, or the off-cell voltage value is less than the full-charge voltage, and this type of battery may be hot after charging!

**Solution:** If it is hot, stop charging. If it is a water battery, check whether the battery is short of liquid!

## Screen display content

Display ambient temperature  
- The temperature is above 28°C  
- enters the super-heat mode automatically

display the charging voltage  
- only connect the battery to display the battery voltage  
- Automatically enter winter mode below 10°C

Display charging current  
The appropriate current is calculated and output by the MCU

Repair mode  
Manual selection is required

Charging completed

Automatic shutdown after 2 hours of charging

Error alarm  
Check whether the battery is connected backwards

The battery icon blinks  
- Battery not identified  
- the battery supply may not be connected properly

C/WA switches the display every 3 seconds  
- The battery power blinks successively  
- charging normally

## Safety Precautions

1. It is strictly forbidden to charge the scrapped, non lead acid or non voltage batteries. It is strictly forbidden to dismantle the high-voltage batteries in the machine without permission, and it is forbidden to approach the open fire when charging.
2. To charge the vehicle or equipment, please remove the battery and put it in a safe space without inflammables. Otherwise, you will be responsible for the accident!
3. When the charging time is more than 12 hours and no one is watching, the power supply should be cut off and charging for a long time is strictly prohibited!
4. Do not charge the non rechargeable battery!
5. For indoor use, beware of rain. During charging, the charger must not be covered and must be placed in a well ventilated place. It is strictly forbidden to put it in or on the car for charging. Be careful of flame, spark and explosive flammable gas to avoid fire.
6. If the power cord is damaged, in order to avoid danger, it must be replaced by the manufacturer or its maintenance department or similar professionals.
7. Before connecting or disconnecting the battery charger to the battery, disconnect the power supply.

### Reminder

Please read the above safety precautions carefully. If the above matters are violated, the charger may be damaged or personal and property losses may be caused. If the product is damaged due to the violation of the above items, it will not enjoy the warranty service! We are responsible for the personal and property losses caused by it. We must be aware of it!

### ▲ Do not charge lithium batteries!

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