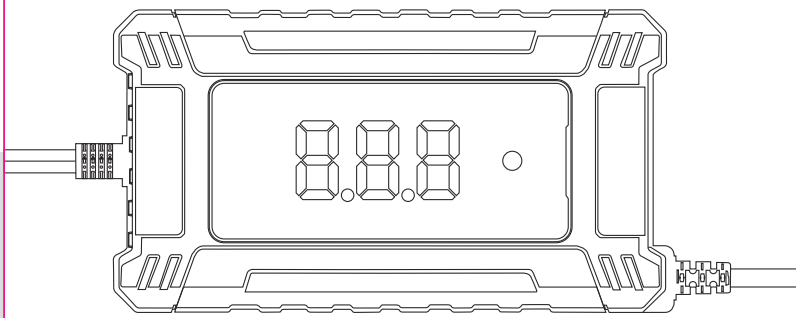
12V intelligent pulse repair charger

Operating instructions

(Please read the instructions carefully before use)

RJ- C121001B



VER:1.1

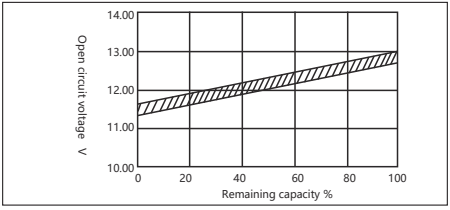
Product parameters

Brand:
Size: 145*77*56mm
Output cable length: 90cm
Input voltage: AC110-220V (50-60Hz)
Output current: DC ⎓ 10A(Max)
Product model: RJ- C121001B
Net weight: 470g
Input cable length: 150cm
Output voltage: DC13.8-15.5V
Scope of application: 12V 2Ah-150Ah lead-acid and LiFEPO4 batteries
* Some of the above parameters are manually measured with slight errors.
Please refer to the actual product.

How to use the charger

1. Detect whether the battery parameters match the charger;
2. Red clip to connect the battery positive (+) and black clip to connect the battery negative (-);
3. After the positive and negative poles are connected, the screen will be lit up. At this time, the ambient temperature, voltage and remaining capacity will be detected in a cycle (refer to the figure below).

Note: After the battery has just been used, it needs to be left for 1 hour, and the following figure detects the remaining capacity of the battery.



4. After connecting the household power supply, the screen shows that " dFS " will automatically switch to the charging state (start-stop/hook charging mode without devulcanization stage) after entering the devulcanization stage for about 5 minutes. During the charging process, the screen will display the voltage, current and ambient working temperature of the battery and the current charging progress.
5. If the positive and negative connection is wrong or abnormal, the screen " ⇆ " flashes, displays EI-I-, and there is a beeping tone.
6. Select the charging mode that matches the battery (see mode selection for details)
7. After charging, the battery power bar on the screen is full (100%) and displays FUL. It is recommended to continue to float for about 1 to 2 hours. Wait for the screen to display OFF to turn off.
8. After unplugging the AC plug first, remove the positive and negative clips and complete the charging.

Mode selection

⚠ Press and hold the mode key for 5 seconds to turn on or off the buzzer.

Every time the "mode" key is triggered, switch "standard-start and stop motorcycle charging-repair" in sequence.

1. " STD " suitable for ordinary cars, all kinds of agricultural vehicles, trucks and all kinds of 12V lead-acid batteries.
2. " LiFePO4 " Suitable for automobile battery with start-stop function and LifePO4 with "BMS" system (14.6V±0.2V).
3. " REPAIR " Suitable for all kinds of motorcycles and all kinds of 12V lead-acid batteries.
4. " TRJ " intelligent charging, suitable for long-term use of the battery. Charging with constant current of 1.75A, suitable for charging while using the battery, and continuously maintaining the battery voltage at 13.8V full charge.
5. " DESULF " Idle for a long time, old, unable to charge, choose "repair" mode to try to activate the battery.

⚠ After charging for 30 minutes, the charger will automatically go to sleep and the screen will go out. (1) reduce the power consumption of the battery; 2) prolong the service life of the charger LED lamp bead; and touch the MODE key to exit the sleep mode.

Winter and summer recharge

1.Winter:(❄)<10°C Summer:(☀)>28°C Normal temperature: 10°-27°C (The icon is not displayed.)
2.During the charging process, the microcomputer automatically detects the environment and working temperature without manual setting. It automatically adjusts the appropriate charging state according to the detection environment temperature, extending the service life of the battery and safe charging.
3. The ambient temperature of 3-5/S is identified once, and there is a certain error range when detecting, but it does not affect the normal charging of the charger.

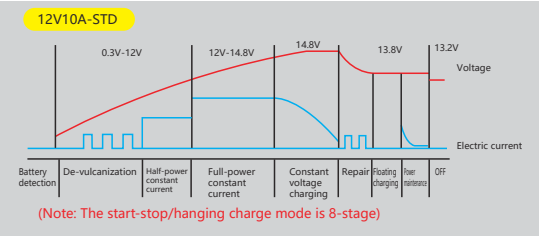
Repair function

1. Connect the battery and plug it into the power supply, trigger the "mode" key five times to enter the repair mode, and the screen shows "PUL" (⛨) flashing.
2. It is recommended to repair the car battery for about 4 hours, and the motorcycle battery and water and electricity battery are recommended to repair for about 2 hours. (If the battery does not heat up, the repair time can be extended).
3. The repair mode also has current. The battery can also be fully charged after a long-term repair. After the repair is completed, the battery bar on the screen is full (100%) and displays FUL. At this time, the charger will automatically enter the floating charging stage, and the screen shows that the OFF shutdown is completed.
4. If you need to stop the repair or charging process in advance, just remove the charger and disconnect the power.

Tip: If the battery is seriously hot and hot during the battery repair process, it should be stopped and charged immediately to avoid danger! (The main reason for repairing the hot is that the battery is seriously vulcanized or the battery is short of water and needs to be replaced with a new battery.)

Nine-stage charging

The product has nine-stage charging functions: (the products are: battery detection, de-vulcanization, half-power constant current, full-power constant current, constant voltage charging, repair, floating charging, power maintenance, shutdown.) The charging curve is as follows:



(Note: The start-stop/hanging charge mode is 8-stage)

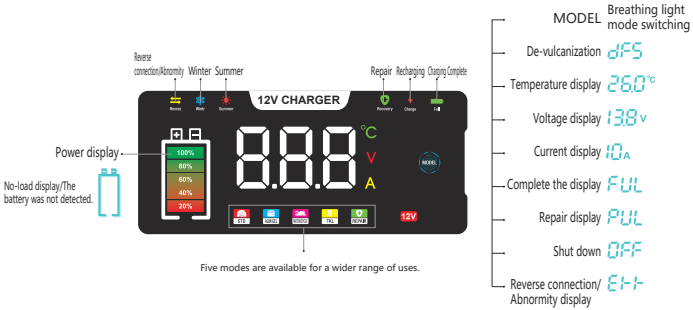
Mode error prevention trigger

Mode switching prevents error-triggering. After the product enters the charging state of about 25/S, the touch button self-locks and cannot be triggered. If you need to switch the mode, you need to remove any clip or disconnect the municipal power to unlock it.

Intelligent memory

The product mode has a memory function. After charging, it defaults to the state mode used before the last powerout, which is intelligent memory and easy to use. (Repair mode without memory function)

Screen diagrams



Safety precautions

1. Before charging, you should check whether the charger is abnormal, the plug, and the power cord are damaged and cracked. If there is any abnormality, you should stop using this product. In order to avoid danger, please contact the seller to return to the original production factory or have a professional maintenance personnel for repair and replacement before use.。
2. Before charging, you should first observe whether the battery is damaged and whether there is liquid overflow around the battery. If there is any abnormality, please charge carefully.
3. It is strictly prohibited to charge the battery that can not be recharged or the battery without voltage.