12V8A

12V Intelligent Pulse Repair Charger

Operation Instruction

(Please read the introduction carefully before use)

RJ-C120801A

Product Parameters

Size: 146*81*60mm
Product Model: RJ-C120801A
Output line length: 65cm
Net weight: 420g
Input voltage: AC110-230V (50-60Hz)
Input line length: 150cm
Output current: DC ⎓ 8A(Max)
Output voltage: DC13.8-15.5V
Scope of application: 12V 4Ah-150Ah
(-15°C~45°C voltage automatic compensation)

* Size pure manual measurement with slight error，please refer to the actual product.
* Scope of application: 12V lead-acid and LiFEPO4(14.6V±0.2) batteries
* Warning:It is forbidden to charge the LiFePO4 battery without BMS system.

Usage of charger

1. Check whether the battery parameters match the charger;
2. The red clip is connected to the battery positive electrode (+) and the black clip is connected to the battery negative electrode (-);
3. After the positive and negative poles are connected, the LCD screen will light up ，the battery voltage and ambient temperature will be displayed cyclically.
4. If the positive and negative poles are connected incorrectly or abnormally, the screen "reverse connection" flashes and displays EI-I-.
5. Insert the AC110-230V plug into the power supply, the charger will start to charge automatically, the screen will cycle display the battery voltage, current and ambient temperature.
6. Choose the charging mode that matches the battery (see mode selection for details)
7. After the charging is completed, the battery power bar on the screen is full (100%) display FUL. It is recommended to continue trickle charging for about 1 hour ,the effect will be better.
8. After pull the AC plug first, then remove the positive and negative clips, after charging is completed, it can be used.

Mode Selection

1. Mode selection, it can be used only when the battery is connected to 230V at the same time.
2.Each time you press the "Mode" button, it switches "Automobile-Start-stop-Motorcycle-Repair" in order
3. " " is suitable for ordinary automobiles, various agricultural vehicles, trucks and various 12V lead-acid batteries. (Range: 12V 15Ah-150Ah)
4. " " Suitable for lithium iron phosphate battery with start-stop function. (14.6 v ± 0.2 V)
5. " " is suitable for all kinds of motorcycles, and all kinds of 12V lead-acid batteries.(Range: 12V 2Ah-20Ah) to "MOTORCYCLE" mode it will enter trickle charging mode (Float charge) to maintain the battery's voltage and keep batteries stay charged for a long time. it will monitor the voltage of battery even though the screen is showing OFF, once the voltage drop under 12.5 Volts, the charger will automatically turn back on and charge it to full and maintain the voltage as normal.
6. " " Idle for a long time, old and unable to charge, you can choose "Repair" mode to try to activate the battery.

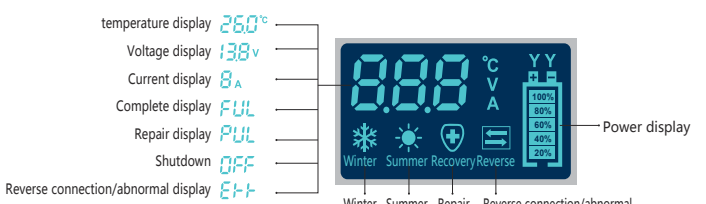
Winter and summer

1. Winter ❄ : 0-10°C Summer ☀ : >26°C Normal temperature: 9°-25°C (not shown)
2. The microcomputer automatically detects the ambient temperature without manual setting, and automatically adjusts the appropriate charging voltage according to the detected ambient temperature.
3. Detect the ambient temperature 3-5/S and identify once, there will be a little error range during the detection, which will not affect the normal charging of the charger.

Repair Function

1. Connect the battery and plug in the power supply, press the "Mode" key four times to enter the repair mode, the screen displays "PUL", " " And the battery bar flash, 20-100% of the battery bar flashes to show the battery level.
2. It is recommended to repair the motorcycle battery for about 5 hours, the car battery is recommended to repair for about 8 hours, and the maximum repair time is 24 hours.
Pay attention to the temperature of the battery when repairing. If it becomes hot, the repair should be terminated in advance.
3. The repair mode also has current, the battery can be fully charged after a long time of repair. After the charging is completed, the battery power bar on screen is full.
(100%) shows FUL, it is recommended to continue trickle charging for about 1 hour for best effect.
4. If you need to stop the repair or charging process in advance, press the "Repair" key to adjust the mode or directly remove the charger.
5. First cut off the AC power supply and check whether the battery voltage is normal. If it is full, remove the positive and negative clips and charge it before use.

Screen illustration



Safety Announcements

1. It is strictly forbidden to charge non-lead-acid batteries with non-12V output voltage, non-rechargeable batteries or non-voltage batteries for scrapped batteries, lithium batteries Disabled.
2. To charge the vehicle or equipment, please remove the battery and take it out of the vehicle. Choose an empty area without flammable and explosive items around to Charge the battery, to avoid fire. Otherwise, accidents are at your own risk!
3. If the charging time exceeds 12 hours without care, the power supply should be cut off and charging for a long time is strictly prohibited!
4. This product should be protected from rain, exposure to sunlight, and the charger is strictly forbidden to cover during charging. Keep away from open flames when charging, and keep the flammable materials maintain in well-ventilated environment.
5. Before charging, check the charger for abnormalities, plugs, power cords for damage and cracking. If abnormal, stop using this product.In order to avoid danger, please contact the sales party to return to the original factory or repair and replacement by professional maintenance personnel before use.
6. Before connecting or disconnecting the battery charger and the battery, the power supply should be disconnected.

Common troubleshooting

1. The screen of the battery connected to the charger is not displayed

Reason: The positive and negative poles are connected incorrectly, the positive and negative pole clips are not clamped properly or the battery is not charged, and the clamps are not clamped.
Solution: first check whether the positive and negative poles of the battery clip are reversed, check with a multimeter to confirm whether the battery has voltage, and confirm the positive and negative pole clips. Please clamp firmly.

2. The voltage is displayed when the battery is connected, but there is no response when the power is plugged in.

Reason: AC110-220V power supply is not input
Solution: insert a socket which powered 110-230V .

3. The battery has no electricity or insufficient power but displays (FUL) when charging

Reason: This type of battery is due to battery vulcanization, power shortage, or lack of water, low voltage, and long idle time. Due to the excessive internal resistance of the battery, or the battery's own capacity is reduced, it will reach the full voltage value when charging. So it will show full!
Solution: You can choose the repair mode and try to repair the activated battery!

4. Dissatisfaction for a long time

Reason: If the charger is not fully charged for a long time, it is because the battery is vulcanized, fed, or lacks water, The voltage is too low to charge, so it will always Charging, this type of battery will generate heat and hot phenomenon when charging!
Solution: During the charging process, stop charging if it gets hot or hot, and check if the battery is short of fluid if it is a water battery!

Warm Reminder: For your legal rights, please read the above precautions carefully before using this product.If any of the above matters are violated, the charger may be damaged or personal property may be damaged. The product damage caused by the violation of the above matters will not be covered by the warranty service, resulting in personal and property losses. The company assumes no responsibility.. Be sure to know! If the product has technical improvements, it will not to be notified. The product appearance color is subject to the actual product. The unfinished matters, our company has the final judicial interpretation.