

**12V 10A & 24V 5A
SMART AUTOMATIC BATTERY
CHARGER & PULSE REPAIR TOOL**

User's Manual



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1. Product Profile

RC-10 Battery Charging Tester can charge power for all automotive cranking lead acid battery, including ordinary lead acid battery, AGM flat plate battery, AGM spiral battery, and Gel battery, Lithium iron phosphate battery (LiFePO4) etc.

RC-10 Battery Repair owns battery repair function to fix the battery 's aging issues, capable of detecting battery sulfation and acid stratification to restore lost battery performance by using pulse voltage and current with certain frequency.

2. Technical Specifications

AC input	100-240V/50-60Hz
Output Voltage	12V 24V
Output Current	10A & 5A
Output Volt No Load	13.8V
Minimum Start Volt	>5.0V
Input Power with Load	Max 150W
Input Power No Load	5W
Cooling	Fan

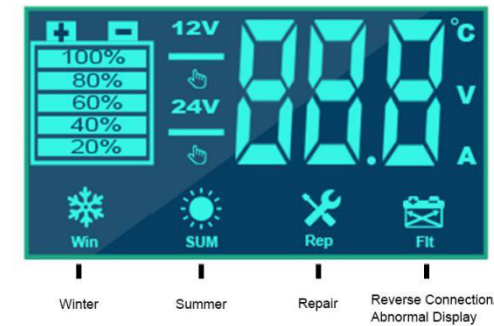
Voltage Measurement Range 8-16V DC

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3. Working Environment Requirement

Working Environment Temp: 0°C- 50°C/ -32°F - 122°F. It is applicable for automotive manufacturers, automotive maintenance and repair workshops, automotive battery factories, automotive battery distributors , and educational organizations, etc.

4. Screen Definition



5. Battery Repair & Battery Charger

5.1 Battery Repair

Notice: Repair function can not be used with battery connected with vehicle , otherwise the pulse voltage will damage the vehicle electronic components.

Step1, Connect the red clamp to battery positive pole, black to negative pole. Reverse connection will not damage battery but not able to repair.

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Step2, Connect the KONNWEI RC-10 power side to A/C supply 50/60hz 110-230V.

Step 3, Hold on " MODE " Button and up 3 seconds to select "Repair " Till the repair light is on. The unit will automatically generate the pulse current and voltage to fix the battery and increase its performance.



5.2 Battery Charge

Operation:

Step1, Connect the red clamp to battery positive pole, black to negative pole. Reverse connection will not damage battery but not able to charge;

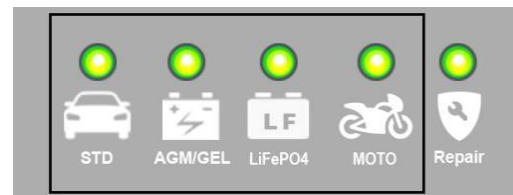
Step2, Connect the RC-10 power side to A/C supply 50/60hz 110-230V;

Step3, Select the battery charge option from the main menu. The RC-10 will automatically charge the battery with 7-stages output, and keep it at a trickle current at last, so no need to worry about the overcharge or overheat issues.

Step 4, Hold on " MODE" Button and up till 3 seconds. Please Select Battery Type:

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STD (Standard battery including ordinary lead acid battery); AGM / GEL (AGM flat plate battery, AGM spiral battery, and Gel battery); Lithium iron phosphate battery (LiFePO4) etc.



6. Troubleshooting

1, The screen does not display when the charger is connected to the battery?

Reason: The positive and negative clips are connected incorrectly or the battery is dead.

Solution: Check whether the clips are connected reversed, use a battery tester to see whether the battery is dead or not.

2. Screen will display the voltage but don't charge the battery?

Reason: there is no input voltage.

Solution: Connect to a 110-220V AC socket.

3. The battery can't be charged and is low current, but the screen display (FUL) indicates fully charged.

Reason: This is caused by the battery's vulcanization and inside lack of water, low voltage or leave it unused for a long time. The internal resistance of the battery and capacity will reduce greatly. Then it will reach full voltage quickly while charging.

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Solution: Choose repair mode to reactivate the battery!
4. Can't fully charged after a long time.

Reason: battery vulcanization or lack of water also low voltage can lead to this situation, the battery will become hot while charging.

Solution: Stop charging. Check whether the battery liquid was leaked if it's a wet battery.

5. Tried charging a battery overnight for over 8 hours and no charge at all, kept blinking the battery percentage icon all night long.

Reason: battery charger can not charge totally dead batteries (0V or bad cells contained).

Solution: try repair function or replace this battery directly.

7. Service Procedures

If you have any questions, please contact your local store, distributor or visit our website at www.konnwei.com

If it becomes necessary to return the tool for repair, contact your local distributor for more information.

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