

User Manual

1. Product Introduction

- Test battery health status
- Test battery CCA
- Test battery internal resistance
- Test battery voltage and charging status
- Test vehicle cranking system
- Test battery health status



Android



iOS



Android System : Search name "konnwei battery tester " on Google Play
 iOS System : Search name "konnwei battery tester " on APP Store

2. Product Parameters

Name: Bluetooth Battery Tester

Model : BK100

Input voltage : DC6V-16V

Working temperature : -40-80 °C (-40-170 °F)

Housing: fireproof , IP65

Function: Built-in short circuit and reverse connection protection

3. BK100 advantages

- 1: Support multiple devices online at the same time: just click the icon in the upper left corner to select.
- 2: Support the online automatic connection of a single device: the device is connected to the battery, and the connection test can be automatically completed by clicking the "test".
- 3: Support sharing battery test result : just click sharing icon to generate report sharing.
- 4: Start-up test: analyze the minimum voltage of the car's starting process, when the minimum voltage is lower than 7.5V, it will affect the car's starting. And it will Analyze whether the highest voltage is higher than 13.5V, if higher than 13.5V that indicates the generator is in normal output situation.
- 5: Charging test: analyze whether the power generation output is normal through voltage and ripple voltage.
- 6: Multi Languages: It is up to 13 languages and product firmware can be updated anytime and anywhere.

4. Installation Instructions

Clamp the clips on the two poles of the battery (Positive pole by red clamp clip and negative pole by black clip)then the LED will light up



5. Application Operation

5.1 Connect Bluetooth

Turn on the bluetooth on phone setting , Enter APP to get automatically match on the device

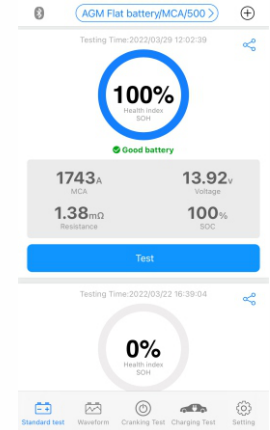
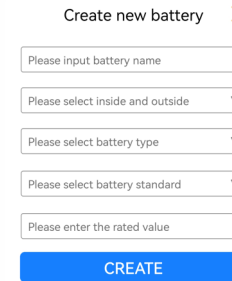
5.1.2 The blue icon on the top Left corner of the app is on , indicating that the device is connected ; if the grey icon is on , it indicates that it is not connected , please check the hardware device at this time .



5.2 Create New Battery

Add new battery information the the list in the top left corner of the menu bar .

- Step 1.input battery name , select battery type ,select battery standard , enter the rated value .
- Step 2.Battery type:Motorcycle battery , ordinary battery, AGM Flat battery, AGM winding battery ,GEL battery.
- Step 3.Battery standard: Please check your own battery standard. The battery usually uses one or more standard systems.
- Step 4. please enter between 100-2000 value
- Step 5. click " test" to get test result according to CCA -Resistance-Voltage -Electricity .



Tips: The battery model ,type, standard and rating are usually marked on the battery label.

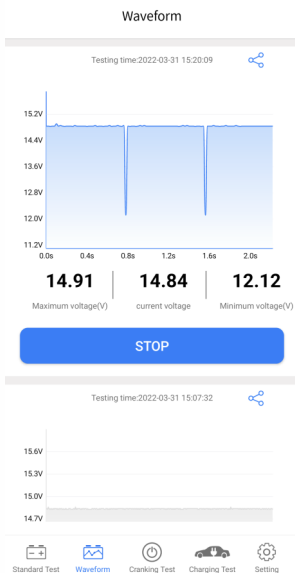
5.3. Standard Test

After adding a new battery , return to the homepage to perform standard test and obtain the test result .

Tips : Before performing standard test, make sure that the engine is turned off .

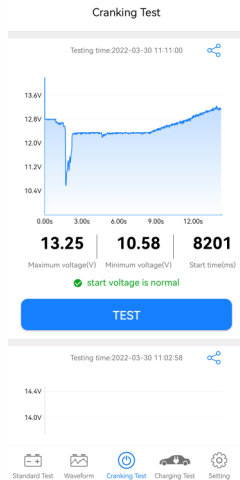
5.4 Waveform

Waveform monitoring of battery voltage



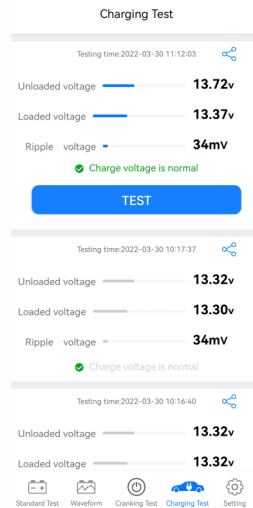
5.5 Start test

Click the " Test " button and perform the test according to the on-screen to obtain the test result.



Tips : Start test the car engine must be started before testing.

5.6. Charging Test



Please do not turn off the engine during the charging test. You must strictly follow the prompts to get accurate test results.

Output state :

6v: unload voltage is higher than 750mv;
 12v: unload voltage is higher than 14.5 V;
Tip: Normal status ; The battery is charging normally .

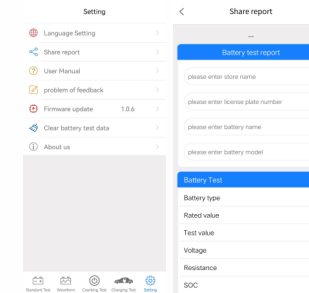
No output state :

6v: 1. unload voltage is higher than 630mv;
 2.The unload voltage is higher than the unload voltage
 12v: 1.unload voltage is higher than 13.6 V;
 2.The unload voltage is higher than the unload voltage

6. 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.

5.7 Share Battery Test Report



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction