

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 vehicle charging system.



GET IT ON
Google play

Available on the
App Store

*Support Android 4.3 or higher / iOS 8.0 or higher systems.

2 Product Parameters

- Name: Bluetooth Battery Tester
- Model: BM500
- Size: 73mm*45mm*20mm(2.87inch*1.77inch*0.78inch)
- Input voltage: DC 6V-30V
- Applicable battery: 6V/12V/24V

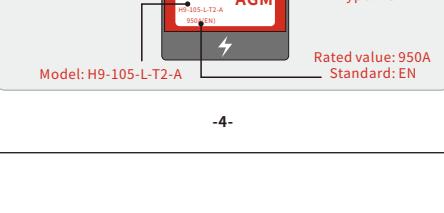
-1-

Add New Battery

name	Customized name
Voltage	12V
Type	Ordinary battery
Standard	CCA
Rated Value	Please enter the rated value

OK

***Tip:** Ordinary battery / AGM flat battery / AGM wound battery / GEL / EFB / CCA / DIN / JIS / EN / IEC / GB / SAE / MCA / BCI / CA

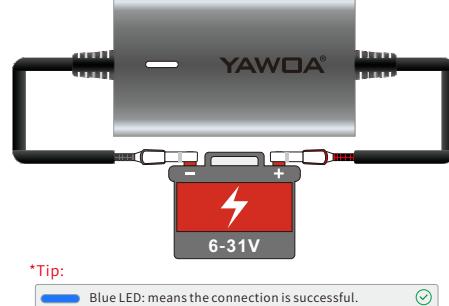


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Working temperature: -40~80°C(-40~170°F)
Housing: fireproof, IP65
Function: Built-in short circuit and reverse connection protection.
Bluetooth: 4.2

3 Installation Instructions

Clamp the clips on the two poles of the battery (regardless of positive and negative) then the LED will light up.



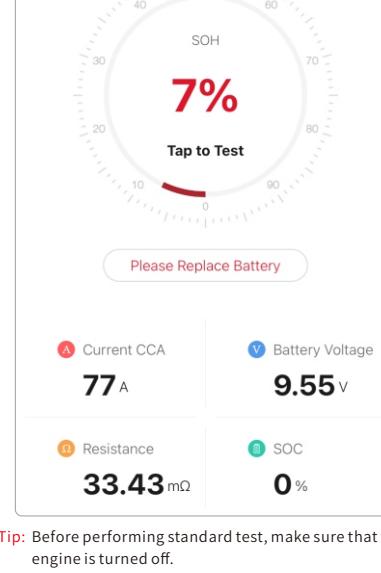
***Tip:**

- Blue LED: means the connection is successful.
- White LED: means device is not connected.
- Blue LED flashing: means clips connection problem.

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4.3 Standard Test

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



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

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4 Application Operation

4.1 Connect Bluetooth

Firstly, turn on the mobile phone's Bluetooth and allow the BM500 application to access the following rights.

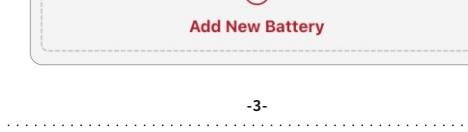
Location Permission Required	OK	"BM500" wants to use Bluetooth
(Android)	OK	(iOS)

4.1.2. The green icon on the top right corner of the app is on, indicating that the device is connected; if the red icon is on, it indicates that it is not connected, please check the hardware device at this time. When the connection status changes, the phone will prompt sound and vibration.



4.2 Add New Battery

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



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4.4 Quick Test

No need to add a new battery, you can test directly by entering the battery parameters, and get the test results.

Voltage

6V 12V 24V

Type

Ordinary battery AGM tablet battery
AGM winding battery Gel colloidal battery
EFB battery

Standard

CCA DIN JIS
EN IEC GB
SAE MCA BCI
CA

Rated Value

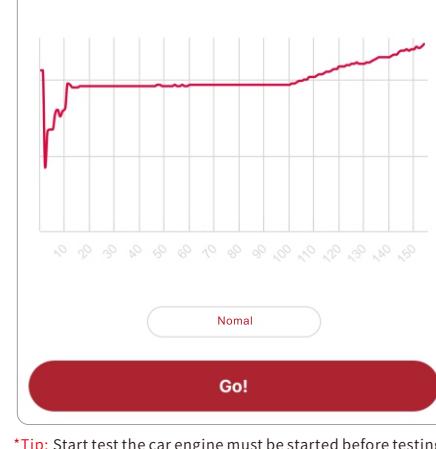
Please enter the rated value

Go!

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4.5 Start Test

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

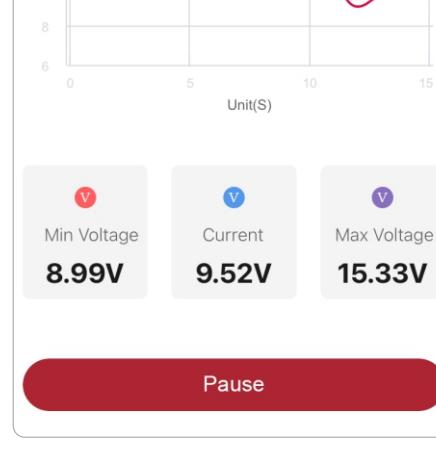


***Tip:** Start test the car engine must be started before testing.

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4.7 Waveform Test

Detect the real-time voltage of the car battery and show through the waveform.



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4.8 Generate Report

In the settings, the test results can be exported and shared by generating report.

Battery Test Test Results : Please Replace Battery	
Type	Ordinary battery
Rated Value	300cca
Test value	77cca
Battery Voltage	9.55V
Resistance	33.43mΩ
SOC	0%
SOH	7%

Start Test	Test Results : Normal
Min Voltage	10.94V
Start Time	7239

Charging Test	Test Results : No Output Value
Loading Voltage	12.30V
Unload Voltage	12.30V
Ripple Voltage	0mV

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FCC Warning Statement

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

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.

The device has been evaluated to meet general RF exposure requirement.