VDIAGTOOL

USER MANUAL

BT500 6V & 12V & 24V BATTERY TESTER
FOR CAR & MOTORCYCLE, STARTER ALTERNATOR TESTER

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VDIAGTOOL reserves the right to make changes at any time without notice.

IMPORTANT:
Before operating or maintaining this unit, please read this manual carefully paying extra attention to the safety warnings and precautions.

Product Support Information

Technical Assistance Website: www.vdiagtool.com
E-Mail: support@vdiagtool.com
Phone: 1-213-355-7171 (United States)
or use our online contact form from the below link:
https://www.vdiagtool.com/support/tech-support – This manual is periodically revised to ensure the latest information is included.

Download the latest version of this manual and other related technical documentation at:
https://www.vdiagtool.com/support/downloads

Product Training Videos

Battery Tester specific training videos are available on our website. Follow along and learn the basics of Battery Tester operation with our free training videos.

Videos are product specific and are available at: https://www.vdiagtool.com/support/training-center Click on the "Support" – "Battery Service" tab, select the applicable battery tester, then select the training video you want to watch.

Safety Information

For your own safety and the safety of others, and to prevent damage to the device and vehicles upon which it is used, it is important that the safety instructions presented throughout this manual be read and understood by all persons operating or coming into contact with the device.

There are various procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the person doing the work. Because of the vast number of test applications and variations in the products that can be tested with this equipment, we cannot possibly anticipate or provide advice or safety messages to cover every circumstance. It is the automotive technician's responsibility to be knowledgeable of the system being tested. It is crucial to use proper service methods and test procedures. It is essential to perform tests in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area, the device being used, or the vehicle being tested.

Before using the device, always refer to and follow the safety messages and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested. Use the device only as described in this manual.

Read, understand, and follow all safety messages and instructions in this manual.

Safety Messages

The safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.

⚡ DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

⚠ WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

Safety Instructions

The safety instructions herein cover situations VDIAGTOOL is aware of. VDIAGTOOL cannot know, evaluate or advise you as to all of the possible hazards. You must be certain that any condition or service procedure encountered does not jeopardize your personal safety.

⚡ DANGER

When an engine is operating, keep the service area WELL VENTILATED or attach a building exhaust removal system to the engine exhaust system. Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.

⚠ SAFETY WARNINGS

・Always perform automotive testing in a safe environment.
・Wear safety eye protection that meets ANSI standards.
・Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
・Operate the vehicle in a well ventilated work area, for exhaust gases are poisonous.
・Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
・Put blocks in front of the drive wheels and never leave the vehicle unattended while testing.
・Be extra cautious when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
・Keep a fire extinguisher suitable for gasoline, chemical, and electrical fires nearby.
・Do not connect or disconnect any test equipment while the ignition is on or the engine is running.
・Keep the test equipment dry, clean, free from oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the equipment as necessary.
・Do not drive the vehicle and operate the test equipment at the same time. Any distraction may cause an accident.
・Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the test equipment.
・To avoid damaging the test equipment or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.
・Do not place the test equipment on the distributor of the vehicle. Strong electromagnetic interference can damage the equipment.

1. Product Introduction

1.1 Product Introduction

VDIAGTOOL BT500 battery tester adopts state-of-the-art conductance testing technology to easily, quickly and accurately measure the actual cold cranking amps capability of the vehicle starter battery, state of health of the battery itself, and common fault of the vehicle starting system and charging system, which can help maintenance personnel to find the problem quickly and accurately, thus to achieve quick vehicle repair.

1.2 Product Features

VDIAGTOOL BT500 battery tester features the following functions: battery test, cranking test, charging test and other additional functions.

Battery test:

Battery test mainly aims to analyze the battery healthy status to calculate the actual cold cranking capability of the battery and the aging extent, which provide reliable analysis evidence for the test and maintenance of the battery. You may notify the user to replace the battery in advance when it gets aged.

Cranking test:

Cranking test is used to test and analyze the starting motor. Testing the actual required cranking current and cranking voltage of the starting motor is helpful to determine whether the starting motor works properly or not. If the starting motor malfunctions, it may cause an increased starting loaded torque; or rotor friction of the starting motor generates an increasing friction of the starting motor itself.

Charging test:

Charging test is to check and analyze the charging system, including generator, rectifier, rectifier diode and etc., to find out whether the output voltage of the generator is normal, whether the rectifier diode works properly. And if the rectifier diode works abnormally, whether it caused over charge of the battery. Over charge or incomplete charge of the battery will cause quick damage to the battery and greatly shorten the life of other loaded appliances.

Main Features:

1. Test all automotive starting lead acid storage battery, including regular lead acid battery, AGM flat plate battery, AGM spiral battery, and Gel battery, etc.
2. Detect bad battery.
3. Feature reverse polarity protection; reverse connection may not damage the tester, the vehicle or battery.
4. Directly test the battery with loss of electricity, fully charge the battery is not required before testing.
5. Testing standards cover the majority of world's battery standards, such as CCA, BCI, CA, MCA, JIS, DIN, SAE.
6. Support multi-languages, customers can select different language package, which includes: English, Spanish, French, German, Italian, Portuguese, Polish, Russian, Dutch,

Japanese, Korean, Simplified Chinese.

7. Upload recorded test data (test result/ report) to computer (windows PC) and print it out.

8. Lifetime free update through Update Client BT500 from: www.vdiagtool.com.

1.3 Technical Specifications

Cold Cranking Amps Measurement Range:

Measurement Standard	Measurement Range
CCA	100–2000 (5–3000)
BCI	100–2000 (5–3000)
CA	100–2000 (5–3000)
MCA	100–2000 (5–3000)
JIS	26A17–245H52
DIN	100–2000 (5–3000)
IEC	100–2000 (5–3000)
EN	100–2000 (5–3000)
SAE	100–2000 (5–3000)

Product Parameters:

Display:	LCD Display
Voltage Measurement Range :	6 – 30V DC
Operating Temperature:	0℃ – 50℃ / 32℉ – 122℉
Storage Temperature:	– 20℃ – 70℃ / – 4℉ – 158℉
Working Environment Temp:	0℃ – 50℃ / – 32℉– 122℉
Power Source:	Provided by connecting to car battery

(The working environment temperature above is applicable for automotive manufacturers, automotive maintenance and repair workshops, automotive battery factories, automotive battery distributors, and educational organizations, etc.)
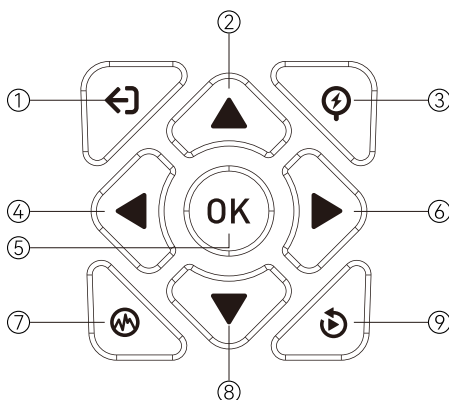
Product Dimensions:

Length	Width	Height
164mm (6.45")	85.3mm (3.35")	24.4mm (0.96")

Accessories Included:

- 1 × BT500 battery tester
- 1 × Type–C data cable
- 1 × User's Manual

1.4 Keypad Introduction

①. ESC Button: Returns to the previous screen. Press and hold ESC button to exit voltage waveform interface. For other tests, press ESC button once to exit.

②. Up Button: Moves up through menu. Moves to previous screen if information covers more than one screen. Press Up button once to increase by 50 while in CCA selection interface.

③. Quick Battery Test Button: Quickly enter the battery test and analyze the health status of the battery.

④. Left Button: Moves to previous screen if information covers more than one screen. Press Left Button once to decrease by 5 while in CCA selection interface.

⑤. OK Button: Confirms a selection from a menu. Press and hold OK button to pause playback while in review interface. Press OK button once again to resume playback.

⑥. Right Button: Moves to next screen if information covers more than one screen. Press Right button once to increase CCA by 5 while in CCA selection interface.

⑦. Waveform Button: Enter the voltage test interface and display the real-time voltage waveform.

⑧. Down Button: Moves down through menu and sub-menus. Moves to next screen if information covers more than one screen. Press Down button once to decrease CCA by 50 while in CCA selection interface.

⑨. Quick Review Button: Quickly enter the review interface.

1.5 How to Set Up the Tool

Press Down button and Right button to select the Setup function in the main menu and press OK button.

The screen will display interface as shown below:

Setup
Language
Buzzer
Equipment test
About

You can make below adjustments or settings to the device:

1.5.1 Select Language:
Select desired language. Press Up button or Down button key to choose Language and press OK button.

The screen will display interface as shown bellow:

Language
English
中文
日本語
한국어
Français
Deutsch

You can press Up button or Down button key to select any language and press OK button to confirm. The system will convert to the chosen language interface at once.

1.5.2 Buzzer: ON/ OFF the Buzzer
Press Up button or Down button key to choose Buzzer and press OK button to confirm.

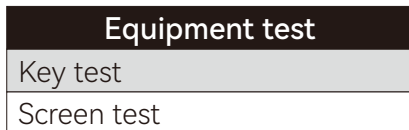The screen will display interface as shown below:

Buzzer
Open
Close

You can press OK button to turn the buzzer off or on, press ESC key to exit.

1.5.3 Equipment test: Key Test/ Screen Test
Press Up button or Down button to choose Equipment test and press OK button to confirm.

The screen will display interface as shown below:

Equipment test
Key test
Screen test

Key test: The Key test function verifies if the keys are functioning properly.

1. Use the Up/ Down button to select Key test from the Equipment test menu, and then press the OK button to confirm.
2. Press any key to start test. When you press a key, the corresponding key name should appear on the display. If the key name does not show up, then the key is not functioning properly.

The screen will display the interface as shown below:

Key test		
ESC	UP	QUICK
LEFT	OK	RIGHT
WAVE	DOWN	REVIEW
ESC exit twice		
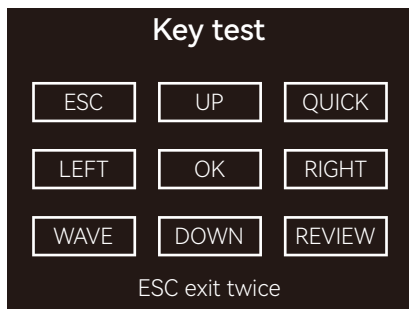
Note:
Press ESC button twice (like double click) to exit the key test interface.

Screen test: The Screen test function checks if the LCD display is working properly.

1. Use Up button or Down button to select Equipment test from the Setup menu, and press the OK button to enter Equipment test menu.
2. Select Screen test from Equipment test menu and press the OK button to start test, press ESC button to return.
3. Look for missing spots in the color bar, white, black LCD display.
4. When completed, press ESC button (one time) to exit the interface.

1.5.4 About

Select the About icon in the main menu and press OK button to confirm.

The screen will display interface as shown below:

About

BRAND: VDIAGTOOL
Model#: BT500
Software Version: V2.6
Hardware version: V2.1
E-mail: support@vdiagtool.com

2. Car Battery Test

Select Car icon at the top left of the main menu and press OK button to confirm and enter car battery test interface.

Main Menu

Car	Motorcyle	Wavefrom
Review	Print	Setup
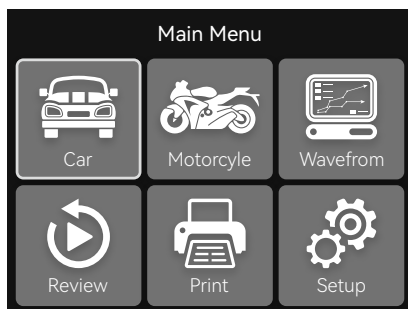
You need to select the volts of your battery first, like 12V or 24V and then you will enter the interface of the In-Vehicle or Out-of-Vehicle Test:

Select type

12V

24V
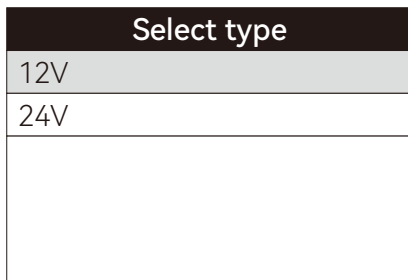
In-Vehicle or Out-of-Vehicle Test

Select the option in accordance with your current battery location and then press OK key to continue.

Battery Location
In-Vehicle
Out-of-Vehicle

2.1 In-Vehicle Battery Test

Select Car icon from the main menu and press OK to confirm and then select In-Vehicle to view in-vehicle battery test menu and select Battery test to start in-vehicle battery test.

If surface charge detected by the tool, it prompts "Surface charge, turn lights on". Turn headlights on as prompted to eliminate battery surface charge, the tool will then display the following prompts in a sequence.

Battery test
1.Check surface charge, turn lights on. 2.Turn headlights on about 10 seconds. 3.Turn lights off.

When the tool detects the surface charge has been eliminated, turn the headlights off as prompted on the screen, then press OK button and the tool will resume automatic in-vehicle battery test.

2.1.1 Select Battery Type

After the battery surface charge has been eliminated, the tool will prompt to select battery type, i.e. Regular Flooded, AGM Flat plate, AGM Spiral, Gel or EFB battery, press Up button or Down button key to select battery type, then press OK button key to confirm.

2.1.2 Battery System Standard and Rating

VDIAGTOOL BT500 battery tester tests each battery according to the selected system and ratings.

Use Up button, Down button, Left button or Right button to select according to the actual system standard and rating marked on the battery, as seen in picture below:
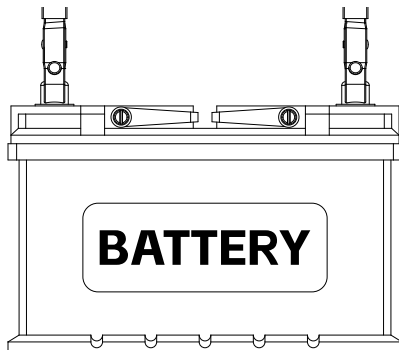
Battery Standards:

CCA: Cold Cranking Amps, specified by SAE & BCI, most frequently used value for starting battery at 0℉(–18℃).

BCI: Battery Council international standard.

CA: Cranking Amps standard, effective starting current value at 0℃(–18℃).

MCA: Marine Cranking Amps standard, effective starting current value at 0℃(–18℃).

JIS: Japan Industrial Standard, displayed on the battery as combination of the numbers and letters, e.g.55D23,80D26.

DIN: German Auto Industry Committee Standard.

IEC: Internal Electron technical Commission Standard.

EN: European Automobile Industry Association Standard.

SAE: Society of Automotive Engineers Standard.

From the Select Standard screen, press Up/ Down button key to select the standard, then press OK key to confirm.

Select Standard
CCA
IEC
EN
DIN
CA
BCI

Rating range as below:

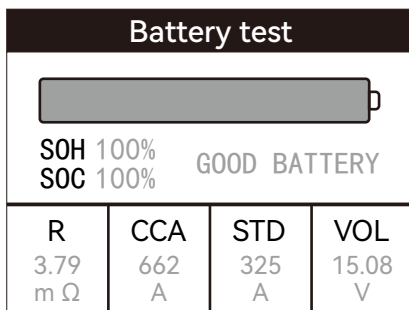| Measurement Standard	Measurement Range
CCA	100–2000 (5–3000)
BCI	100–2000 (5–3000)
CA	100–2000 (5–3000)
MCA	100–2000 (5–3000)
JIS	26A17–245H52
DIN	100–2000 (5–3000)
IEC	100–2000 (5–3000)
EN	100–2000 (5–3000)
SAE	100–2000 (5–3000)

Input correct test standard and rating, press OK button key, the tool starts to test, and dynamic interface "Testing, please wait" prompted.

Set Battery Rating
350 A
CCA
↑: +50   →: +5
↓: −50   ←: −5

It takes around 1 second to display the battery test result.

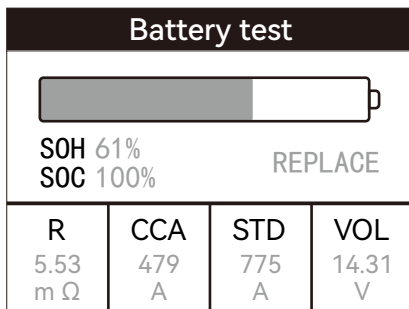And below are the 5 possible test results for your references:

1. Good Battery

Battery test			
SOH 100% SOC 100%		GOOD BATTERY	
R	CCA	STD	VOL
3.79 m Ω	662 A	325 A	15.08 V

It means the battery is good and you can continue to use the battery.

2. Good, Recharge

Battery test			
SOH 99% SOC 24%		GOOD−RECHARGE	
R	CCA	STD	VOL
3.57 m Ω	697 A	700 A	12.18 V

It means the battery is good but low current and you need to recharge it before using.

3. Replace

Battery test			
SOH 61% SOC 100%		REPLACE	
R 5.53 m Ω	CCA 479 A	STD 775 A	VOL 14.31 V

It means the battery is about to or already reached its lifespan and you need to replace the battery, otherwise, there could be danger in future usage.
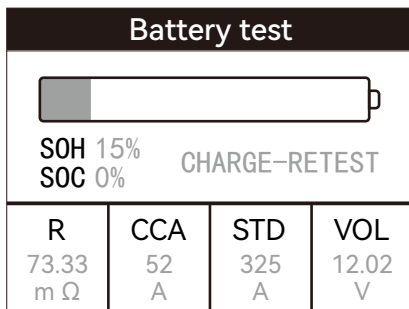
4. Bad cell, Replace

Battery test			
SOH 13% SOC 100%		BAD CELL	
R 86.84 m Ω	CCA 45 A	STD 325 A	VOL 12.89 V
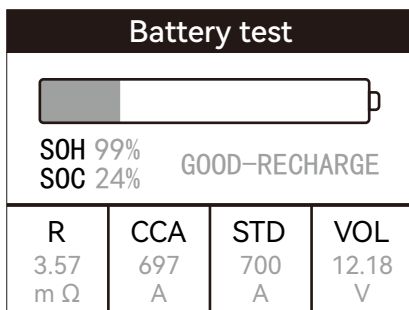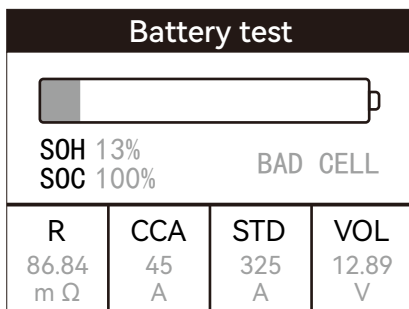
It means the battery interior is damaged, bad cell or short circuit and you need to replace the battery.

ATTENTION:

If "Replace" result displayed in In-Vehicle mode, it could also caused by the battery is not well connected. Disconnect the battery and retest the battery in Out-of-Vehicle mode before making a decision to replace the battery.

5. Charge, Retest

Battery test			
SOH 15%	CHARGE–RETEST		
SOC 0%			
R	CCA	STD	VOL
73.33 m Ω	52 A	325 A	12.02 V

It means the battery is unstable and you need to recharge and retest it to avoid error, if same test result showed up after recharging and retesting, the battery is regarded as damaged and should be replaced.

Note:
After testing the battery, press ESC key (one time) to exit the interface.

2.1.3 Abbreviations

SOC: State of Charge
SOH: State of Health
STD: Standard rating of the lead acid battery
VOL: Voltage of the lead acid battery
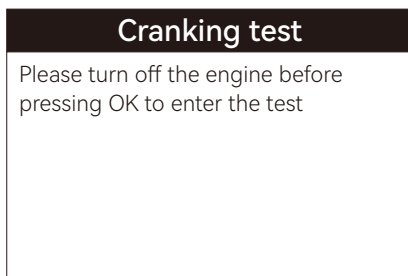R: Internal Resistance of the lead acid battery

2.2 Cranking Test

Select Car icon from the main menu and press OK to confirm. Select In-Vehicle from the sub-menu, then select Cranking test to enter the Cranking test menu.

The screen will display interface as shown below:

In-Vehicle
Battery test
Cranking test
Charging test
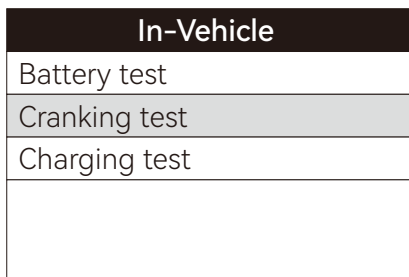
The display will prompt you to turn off the engine and then press OK as below:

Cranking test
Please turn off the engine before pressing OK to enter the test

Press OK after the engine is turned off. And it will show cranking test result as shown below:

| Cranking test |
| --- |
| TIME 1068ms |
| MAX 15.77V |
| MIN 12.93V |
| Normal |
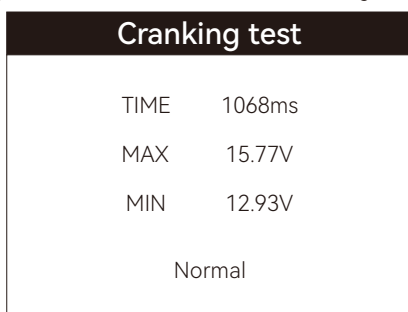
Time: Time used to crank the engine
MAX: The maximum voltage while cranking the engine
**MIN:** The minimum voltage while cranking the engine
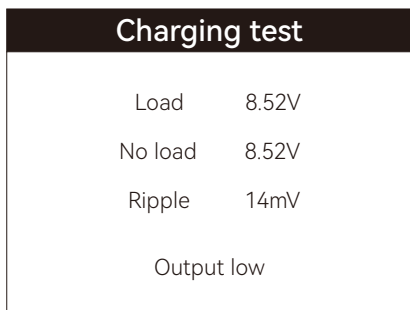**Cranking Test Possible Results:** Normal, Cranking Voltage Low

2.3 Charging Test

Select Car icon from the main menu and press OK to confirm. Select In-Vehicle from the sub-menu and then select Charging test.

In-Vehicle
Battery test
Cranking test
Charging test
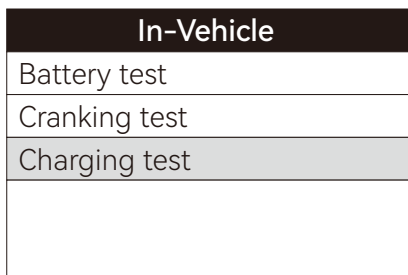
Press OK to enter Charging test mode and it will display "Testing, please wait" prompt.

Followed by a new prompt reminds you to increase the engine speed to 2500 rpm and hold for 10 seconds as shown below:

Charging test
Increase the speed to 2500 rpm and hold for 10 seconds, press OK to continue.
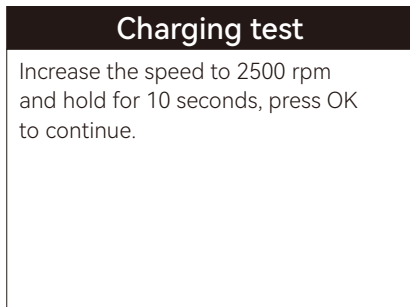
Press OK to continue and it will show the charging test result in around 5 seconds as below:

Charging test	
Load	8.52V
No load	8.52V
Ripple	14mV
Output low	

Load: Charging voltage when there is vehicle load, like lights, air conditioner etc.
No Load: Charging voltage when there is no vehicle load.
Ripple: Undesirable amount of AC voltage fluctuation from the alternator.
Charging test possible results: It could show any one of the 5 charging test results: Normal, Output High, Output Low, No Output, Ripple High.

2.4 Out-of-Vehicle Battery Test

Out-of-Vehicle battery test mode means battery is not connected with any of the vehicle load, i.e. battery is disconnected.

To test the out-of-vehicle battery:

1. Select the Car icon from the main menu, then press OK button to confirm and select Out-of-Vehicle to enter out-of-vehicle battery test mode.

Battery Location
In-Vehicle
Out-of-Vehicle

2. Select Battery Type, Battery Standard and Rating as instructed in 2.1.1 and 2.1.2 and read the battery test result in reference with 2.1.3.

3. Motorcycle Battery Test (6V Battery Test)

This function checks the lead acid battery status of a motorcycle, including voltage, CCA, resistance, rated CCA, battery charging status, battery health status and gets test result in one second.

To test motorcycle battery/ 6v battery:

1. Select Motorcycle icon from the main menu and press OK to enter battery test for motorcycle mode.

The interface shows as below:
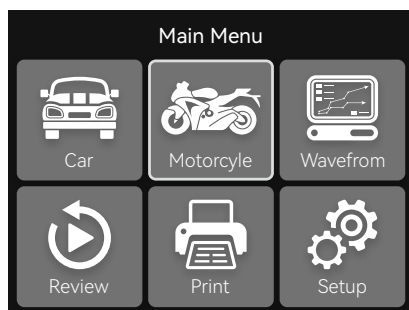
Note:
If your battery type is not in the type list, then the device does not support your battery.

2. Select rated capacity:

Set Battery Rating
350 A
CCA
↑ : +50   →: +5
↓ : −50   ←: −5

3. Select test standard:

Select Standard
12C16A–3B
12N10
12N10–3A
12N10–3A–1
12N10–3A–2
12N10–3B
Page 1/55

4. Use Up button or Down button key to select motorcycle battery mode. Then press OK button key to confirm, and you will see test result in one of the 5 types as below:
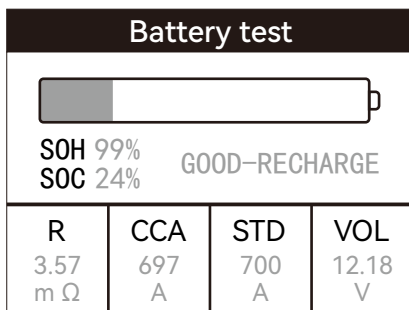
It takes around 1 second to display the battery test result.

① Good Battery

Battery test			
SOH 100% GOOD BATTERY			
SOC 100%			
R	CCA	STD	VOL
3.79	662	325	15.08
m Ω	A	A	V

It means the battery is good and you can continue to use the battery.

② Good, Recharge

Battery test

SOH 99%	GOOD—RECHARGE		
SOC 24%			
R	CCA	STD	VOL
3.57 m Ω	697 A	700 A	12.18 V

It means the battery is good but low current and you need to recharge it before using.

③ Replace

Battery test

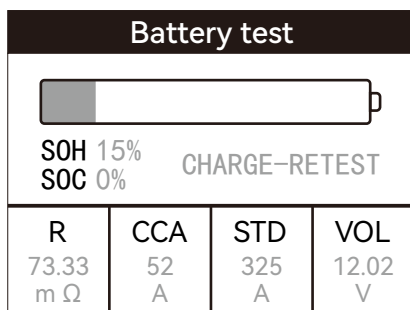| SOH 61%	REPLACE		
SOC 100%			
R	CCA	STD	VOL
5.53 m Ω	479 A	775 A	14.31 V

It means the battery is about to or already reached its lifespan and you need to replace the battery, otherwise, there could be danger in future usage.

④ Bad cell, Replace

Battery test

SOH 13%	BAD CELL		
SOC 100%			
R	CCA	STD	VOL
86.84 m Ω	45 A	325 A	12.89 V

It means the battery interior is damaged, bad cell or short circuit and you need to replace the battery.

⑤ Charge, Retest

| Battery test			
SOH 15% SOC 0%		CHARGE—RETEST	
R	CCA	STD	VOL
73.33 m Ω	52 A	325 A	12.02 V

It means the battery is unstable and you need to recharge and retest it to avoid error, if same test result showed up after recharging and retesting, the battery is regarded as damaged and should be replaced.

4. Waveform

Select Waveform icon from the main menu and press OK button to confirm or press the one-click Waveform button at the bottom left of the keypad for quick access.
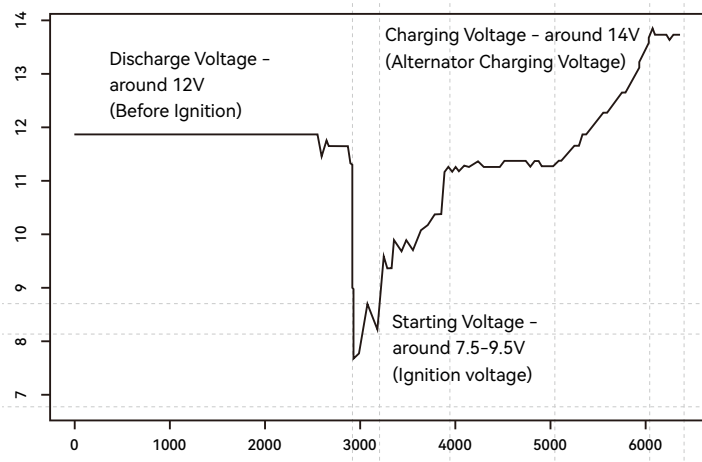
The screen will display as below:

Waveform		
18.0 V		
3.0 V		
MAX 13.6	CUR 10.1	MIN 9.6
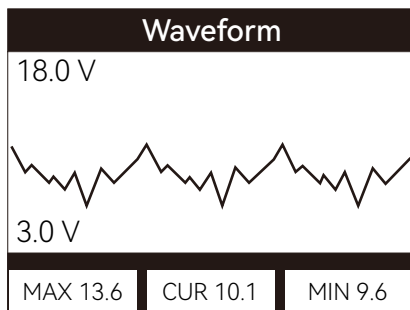
MAX: Maximum voltage during ignition
CUR: Current detected battery voltage
MIN: Minimum voltage during ignition

The waveform will remain static until there's change detected in the voltage.

Vehicle Voltage Analysis:

- **Starting Voltage:** During ignition, the voltage will drop to a certain point, at this minimum point is Starting Voltage (Around 7.5– 9.5V). If the Starting Voltage stays under 7.5V, it means battery capacity is low and needs to be replaced.
- **Charging Voltage:** When the ignition is ON and engine is ON, the alternator will continuously charge the car battery, normally it's around 14V.

Battery Status corresponding with Battery Voltage (Before Ignition)

Battery Voltage	Battery Status	Effects and Measures
<10.8V	Too Low	Hard to start vehicles: Replace battery
10.8V–11.8V	Slightly Low	Hard to start vehicles.

Battery Status corresponding with Battery Voltage (Before Ignition)

Battery Voltage	Battery Status	Effects and Measures
12.8V–13.2V	Too Low	Battery may not be charged: Check alternator or other electrical load
13.2–14.8V	Normal	Normal
>14.8V	High Voltage	May damage the battery: Check alternator stabilizer

NOTE:

If the current detected battery voltage is 11.9V, and the battery voltage stays low after a few hours trip, then the battery could be damaged. (Under the circumstance that the alternator works well). Please replace the battery ASAP.

5. Review

5.1 Review the last result

Select Review icon from the main menu and press OK to enter or press the one-click Quick Review button at the bottom right of the keypad to enter Review interface, which is as shown below:

Review
Review the last result
Review waveform
Delete result

Select Review the last result function and press OK button to confirm to review the battery test result records.

The screen will display interface as shown below:

Battery test			
SOH 99% GOOD-RECHARGE			
SOC 24%			
R	CCA	STD	VOL
3.57 m Ω	697 A	700 A	12.18 V

5.2 Review Waveform

Select Review icon from the main menu, then press OK to confirm.

The screen will display interface as shown below:

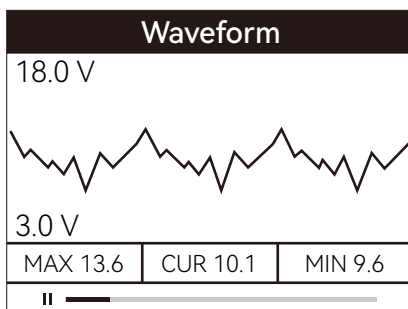| Review |
| --- |
| Review the last result |
| Review waveform |
| Delete result |

1. Press Down button to select Review waveform function and press OK button to confirm.

The screen will display interface as shown below:

Review wavefrom
Record 2
Record 1

2. Press Up/ Down button to select the waveform record you want to review and press OK button to confirm.

The screen will display the voltage waveform recorded as shown below:

Waveform

18.0 V

3.0 V

MAX 13.6	CUR 10.1	MIN 9.6

II ▬▬

NOTE:

· Press and hold the OK button to pause the waveform playback. And press the OK button once again to resume waveform playback.

· Press and hold ESC button to exit waveform playback interface while it's still playing.

· Press ESC one time to exit waveform playback interface if playback is on pause.

5.3 Delete result

Select Review icon from the main menu, then press OK to confirm.

The screen will display interface as shown below:

Review
Review the last result
Review waveform
Delete result

Select Delete result function by pressing the Down button, and press OK button to delete result records.

Caution:

Press Delete result will delete ALL saved battery test records and waveform records and there is no option to recover the deleted data.
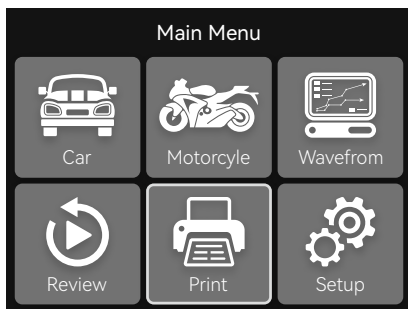
6. Print

The Data Printing function allows printing out battery testing results and/ or voltage waveform records saved on the tool.

To print out recorded data, you need the following tools and upload the recorded data to Windows PC or laptop first:
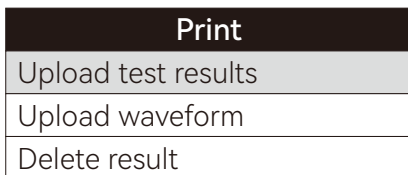
· The BT500 tool
· A Windows PC or laptop that comes with USB ports
· A Type-C cable

①. Download the latest version software from our website: www.vdiagtool.com to a Windows PC or laptop.
②. Connect the tool to the Windows PC or laptop by using the Type-C cable supplied.
③. Run BT500.exe software installed on the Windows PC or laptop as below:
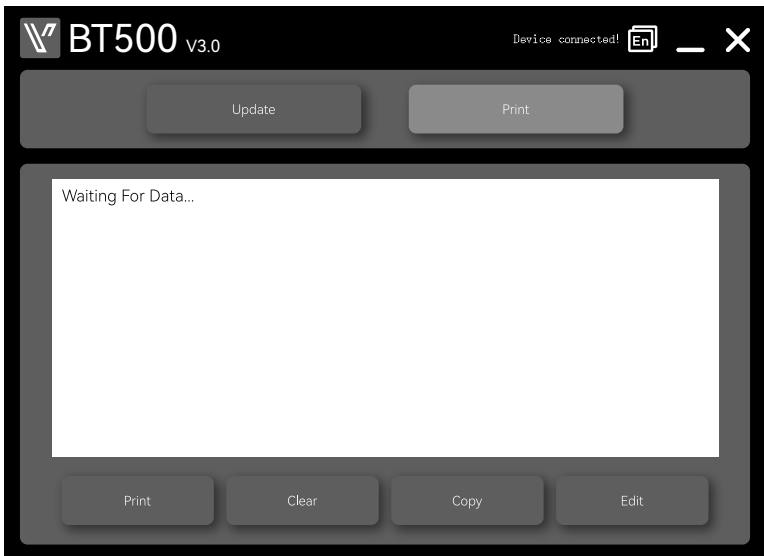
④. Select the Print function in the main menu and press OK button to confirm.

The screen will display interface as shown below:

Print
Upload test results
Upload waveform
Delete result

⑤. Press Up/ Down button to select Upload test results and/ or Upload waveform, and press OK button to upload the recorded data to the Windows PC or laptop.

⑥. When the recorded data have been uploaded to the Windows PC or laptop, you will be able to check the data in the BT500 software and click "Print" on the screen and then it will proceed to data printing.

7. Software Update

This function allows you to update the software of the tool.

To update the software of your tool, you need the following items.

・The BT500 tool
・A Windows PC or laptop that comes with USB ports
・A Type-C cable

Procedure to update the software:

①. Download the latest version of the BT500 update software from our website: www.vdiagtool.com
②. Run BT500.exe on the Windows PC or laptop.
③. Press and hold the OK button on the device when you have connected it to the Windows PC or laptop by using the Type-C cable. Release the OK button until the tool's green light flashes.
④. Click the Update of the BT500 software to update the software to the latest version.

⑤. If verification fails during the update process and the update cannot be performed successfully, the red light will light up and the buzzer will sound for 3 seconds.

⑥. During the update process, the yellow light of the tool flashes.

⑦. When the update process is complete, the green light stays on for 3 seconds and the buzzer beeps 2 times quickly.

⑧. When the update is finished, unplug and re-plug the tool to restart.

8. Warranty

Limited One Year Warranty

This warranty is expressly limited to buyer who purchase VDIAGTOOL BT500 product for purposes of resale or use in the ordinary course of the buyer's business.

VDIAGTOOL BT500 is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the buyer. This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any tool found to be defective is repair or replacement, and it shall not be liable for any consequential or incidental damages.

9.Contact Us

Warranty & Support

E-mail: support@vdiagtool.com
Website: www.vdiagtool.com

For wholesale business or become our distributors:

E-mail: support@vdiagtool.com

Invent with us, test products before they hit market, help us make better products for everyone:

E-mail: inventers@vdiagtool.com

Create social media content, post online and help our community:

E-mail: marketing@vdiagtool.com

Follow Us on Social Media

Facebook Page: Search for "vdiagtool"

Facebook User Group: Search for "VDIAGTOOL OFFICIAL User Group"

Instagram: Search for "vdiagtool_official"

TikTok: Search for "vdiagtool_us"

YouTube: Search for "Vdiagtool Official"