

About Us

AUTOUTLET was started in early 2018.

We are dedicated to providing customers with high-quality hardware, tools, electronic products, and more. We firmly believe that the key to success is offering customers superior products at competitive prices, with fast delivery and excellent after-sales service.

To achieve this, we have been continuously striving to meet our customers' experiences, expectations, and trust.

How did we get started?

Our purpose is to create an exclusive private warehouse for you and your family.

We are committed to offering cost-effective car accessories and everyday tools that bring more convenience to your daily life.

What makes us different?

You can enjoy high-quality products at the most affordable prices. We have stylish designs and a diverse product range, offering consumers a variety of convenient tools, not just a single type of product. This is the highlight that enables us to stand out in the market.

Package Contents:

1 x Car Battery Tester

1 x User Manual

Specification:

Model: BA3000

- Input Voltage Range: 8V ~ 30V
- Tester Working Temperature: -10°C to 60°C (14°F to 140°F)
- Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- Cord length: 1.2m

Warranty:

Thanks for using AUTOUTLET product. All AUTOUTLET products come with the warranty of 18 months from the day of purchase. If you need any support, please feel free to contact us.

Contact:

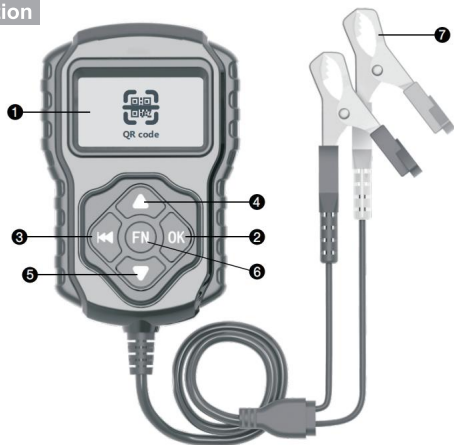
Email:

US/CA: autoutletshop@outlook.com

EU/UK: eformationuk@outlook.com

JP: JPeformation@outlook.com

function description



(1) LCD display	(2) Enter button
(3) Back button	(4) Up button
(5) Down button	
(6) Fn button — Quick test or voltage test function can be set.	
(7) Alligator clamps (red & black) — Connect the red clamp to the positive pole and the black clamp to the negative pole.	

FUNCTION DESCRIPTION

- Quickly test the health of 12V batteries, and show status with the result of "Good Battery" / "Replace" / "Good & Recharge" / "Charge & Retest" / "Bad Cell".
- Test 12V/24V cranking system and charging system of vehicles.
- Batch battery test mode is available through "Fn" button.
- Support mobile phone to scan QR code to obtain test report.
- With reverse polarity protection function, wrong connection will not damage the tester, car or battery.
- Support English, German, Spanish, French, Dutch and Italian etc.

TECHNICAL PARAMETERS

Cold Cranking Amps Measure Range		
CCA	Cold Cranking Amps	100-2000
BCI	Battery Council International Standard	100-2000
CA	Cranking Amps Standard	100-2000
MCA	Marine Cranking Amps Standard	100-2000
JIS	Japan Industrial Standard	26A17-245H52
DIN	German Auto Industry Committee Standard	100-1400
IEC	Internal Electrotechnical Commission Standard	100-1400
EN	European Automobile Industry Association Standard	100-2000
SAE	Society of Automotive Engineers Standard	100-2000
GB	China National Standard	30-220Ah

IMPORTANT SAFETY INSTRUCTIONS

- (1) Do not smoke, strike a match, or cause a spark near the vehicle while testing, and keep all sparks, heated items and open flames away from the battery and fuel / fuel vapours, as they are highly flammable.
- (2) The device should not be used again when abnormal phenomena occur during the test. If smoke, a peculiar smell, or abnormal noise occurs, stop using it immediately and contact the supplier. Using the device under abnormal conditions may cause accidents, fires, etc.
- (3) Prevent engine oil, gasoline, antifreeze and electrolyte from contacting this product, as it may cause surface deterioration of this product.
- (4) If the skin of the cable is damaged, it may cause a short circuit, so stop using it immediately and send it for repair.
- (5) After the test, please remove the alligator pliers from the battery terminal, otherwise it may cause the product to malfunction or damage the battery.
- (6) Do not use alcohol-based liquids to wipe the product, as it may crack.
- (7) Do not allow engine oil to adhere to the metal parts of the alligator pliers, as it may cause poor contact.

BATTERY TESTER SETUP

The tool allows you to make the following adjustments and settings.

Language: Choose a language.

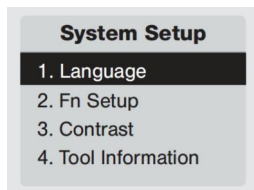
Fn Setup: Set the One-Click-Key function.

Contrast adjustment: Adjusts the contrast of the LCD display.

Tool Information: Show the software and hardware version.

System setup

- From main menu, select the System Setup, and press Enter.



Language

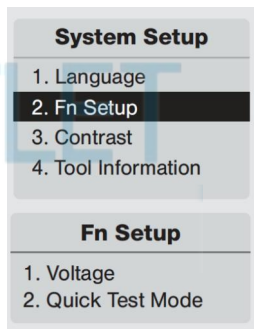
- From System Setup menu, use Enter button to select Language.
- Use UP and DOWN button to select the desired language and press Enter button to save your selection and return to previous menu.



Fn Setup

Use UP and DOWN button to select the desired one-click quick function.

Voltmeter selection is to show the real time voltage. Quick Test Mode is suitable for using the same parameters batteries test.

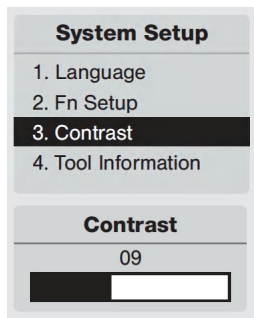


That means, after inputting the battery parameters during first test, the user can then press the Fn button to quickly access the same test procedure using the same parameters, as long as the Quick Test Mode is selected.

Contrast

- From System Setup menu, use Enter button to select contrast.

- Use UP and DOWN button to select the contrast value and press Enter button to save your selection setting and return to previous menu.



OPERATION AND TEST

- After connecting the tool to vehicle battery, the tester displays the real-time voltage.
- Press the Enter button, the tester will display the following contents in a sequence, select accordingly.

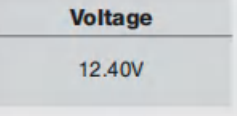
Select battery type

After entering Battery Test, the tester will prompt to select battery type, i.e. Regular Flooded, AGM Flat Plate or AGM Spiral, Gel and EFB battery. Press UP/DOWN button to select battery type, then press Enter button to confirm.

Battery System Standard and Rating

- The tester will test each battery according to the selected standard and rating.

Use UP/DOWN button to select according to the actual system standard and rating marked on the battery. See in picture, the arrow indicates normal locations. (Please note each battery manufacture is different and the location of the marking may change, if unsure please contact the manufacturer of the battery).



Main Menu

1. Battery Test

2. Cranking Test
3. Charging Test
4. Review Data
5. System Setup

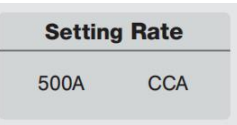
Battery Type

1. Regular Flooded
2. AGM Flat Plate
3. AGM Spiral
4. GEL
5. EFB



Input correct test standard and rating, press Enter button, tester starts to test, and dynamic interface "TESTING" prompted.

Note: It takes around 5 seconds to display the battery test result.

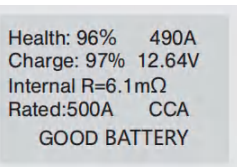


BATTERY TEST RESULT

Battery test result includes 5 types as following.

(1)GOOD BATTERY

The battery is without any problem.



(2)GOOD, RECHARGE

Good battery but low power, recharge before using.

Health: 78% 440A
Charge: 31% 12.20V
Internal R=7.2mΩ
Rated:500A
GOOD, RECHARGE

(3)REPLACE

The battery is near to or already reached the end of the using life, replace battery.

Health: 8% 144A
Charge: 99% 12.68V
Internal R=18.1mΩ
Rated:500A CCA
REPLACE

(4)CHARGE-RETEST

Unstable battery recharge and retest. If same test result appears after recharge and retest, the battery is regarded as damaged, replace the battery.

Health: 39% 310A
Charge: 12% 12.08V
Internal R=30.1mΩ
Rated:500A CCA
CHARGE-RETEST

(5)BAD CELL

Internal damage, replace battery.

Health: 10% 165A
Charge: 0% 9.97V
Internal R=17.83mΩ
Rated: 500A CCA
BAD CELL

CRANKING TEST

Tester prompts as following

Choose to test 12V/24V cranking system.

Start the engine when prompted, the tester will automatically complete the cranking test and display the result.

Main Menu

1. Battery Test
- 2. Cranking Test**
3. Charging Test
4. Review Data
5. System Setup

Cranking Test

- 1. 12V**
2. 24V

When the RPM is detected, it will be displayed on the screen. Normally, a cranking voltage value lower than 9.6V is regarded as abnormal.

- The test result of the tester will include actual cranking voltage and actual cranking time.
- This is for the convenience of the maintenance personnel to quickly know the whole state of the cranking system according to the data.

After the test is finished, do not shut down the engine, the next step is the charging test.

CHARGING TEST

Tester prompts as following

Select "Charging Test" and press Enter button to start the charging test.

Note: Do not shut down the engine during the test. Follow the steps according to the on-screen instructions.

Choose to test 12V/24V charging system.

After the test has finished, the tester displays the loaded and unloaded charging voltages, ripple voltage and charging test result.

Cranking Test

START ENGINE

Cranking Test

RPM Detected

Cranking Test

Time	780ms
Voltage	10.13V
	Normal

Main Menu

1. Battery Test
2. Cranking Test
- 3. Charging Test**
4. Review Data
5. System Setup

Charging Test

- 1. 12V**
2. 24V

Ripple Test

Turn off headlights
and air conditioner,
keep 10 seconds.

Press ENTER continue

Note:

"NO OUTPUT" means Charging system is no output.

The vehicle will stop working when the battery is exhausted. Please check the alternator or contact the maintenance service center immediately.

Unloaded Test

Turn off all devices,
increase RPM to
2500-3000r/min and
keep 10 seconds

Press ENTER continue

loaded Test

Turn on headlights and
air conditioner to the
maximum, keep RPM
idle for 10 seconds

Press ENTER continue

Charging Test

Unloaded 14.39V

Loaded 14.16V

Ripple 15mV

Normal

Unloaded Test

Turn off all devices,
increase RPM to
2500-3000r/min and
keep 10 seconds

Press ENTER continue

REVIEW DATA

Choose the function of Review Data to review last time test results.

Main Menu

1. Battery Test
2. Cranking Test
3. Charging Test
- 4. Review Data**
5. System Setup

Health: 96% 490A
Charge: 97% 12.64V
Internal R=6.1mΩ
Rated:500A CCA
GOOD BATTERY

Obtain the test report by scanning the QR code.



QR code



Show result on the phone

