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BT MOBILE

6V/12V Wireless Battery and System Tester
USER MANUAL

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English

Welcome

Thank you for purchasing the TOPDON BT MOBILE wireless battery tester.
Please read and understand this manual carefully before using this product.

EN

About

BT MOBILE is a 6V/12V wireless battery and system tester, adopting the most advanced conductance detection technology and reverse polarity protection technology to provide key information about battery health for technicians, professionals, so as to quickly, easily and accurately identify battery and charging problems.

Package List

1.BT MOBILE Wireless Battery Tester

2.User Manual

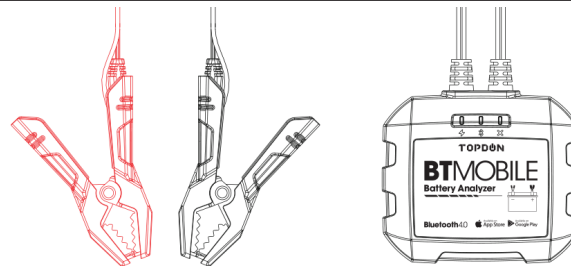
Compatibility

Please be noted that battery type and CCA values (Cold Cranking Amp) marked on the battery label. Please refer to it before using BT MOBILE.

1. Regular Flooded
2. AGM Flat plate
3. AGM Sprial
4. GEL
5. EFB

NOTE: If your vehicle battery is not the battery mentioned above and you are not sure about which type it is, please choose AGM to conduct test, and the error is within 10%.

Features



Indicator Display

LED Indicator	Battery Status
Green Light	Bad battery connect - green light on Normal battery connect - green light off
Blue Light	Bluetooth connection successfully - blue light on
Red Light	Fault red light

APP Installation & Setup

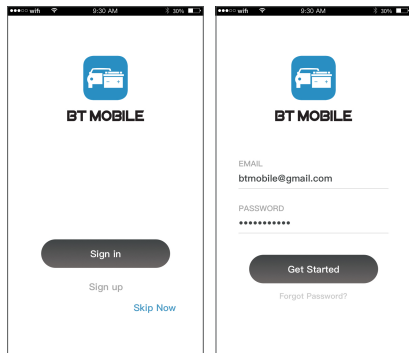
Installation:

Download and install the App: "BT MOBILE" in Apple Store or Google Play.

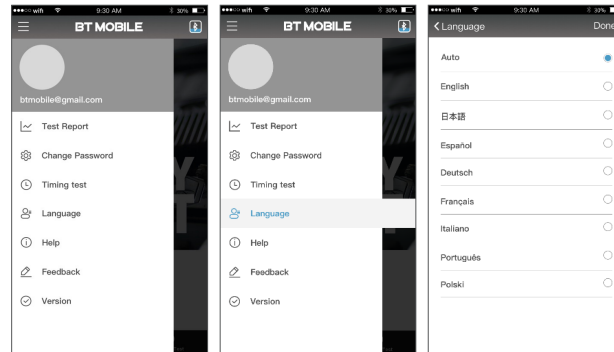
NOTE: For Apple devices, update to iOS 8.0 or later; Android devices, OS 4.3 or later.

Setup:

For the first time, you can choose to register with email or skip login.



Drop-down Menu Function:



Operation Introduction

Before Test:

1. Before you test a battery in a vehicle, turn off the ignition, all accessories and loads. Close all of the vehicle's doors and trunk lid.
2. Make sure the battery terminals are clean. Use a wire brush to clean them, if necessary.

NOTE: This tester works best if the battery connectors have been removed and the battery posts have been cleaned. Any corrosion between the tester clamps and the battery connectors, or between the battery connectors and the battery posts, will degrade the tester's efficiency.

3. Connect the RED (+) Positive Battery Clamp to the (+) positive battery terminal, and connect the BLACK (-) Negative Battery Clamp to the (-) negative battery terminal. Ensure that the clamps are securely attached to the correct terminals.
4. Open the Bluetooth on mobile phone.

5. Test Introduction

- BATTERY TEST: Display SOH (State of Health), SOC (State of Charge), Voltage, Current, Rating, and the readable analysis results on App;
- CRANKING TEST: Analyze the actual cranking voltage and the cranking time to help you quickly figure out the whole state of the starting system;
- CHARGING TEST: Test different parts of charging system, including generator, rectifier, rectifier diode, and so on for a reliable charging volt value.

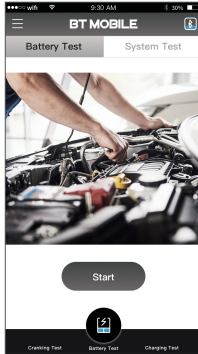
1. Battery Test (for 12V battery)

- 1) Open the APP on your mobile device and log in.
- 2) Click the flashing Bluetooth logo in the upper right corner of the home screen to enter the connection interface and search for the matching device name (If the Bluetooth connection is successful, the Bluetooth logo stops flashing).

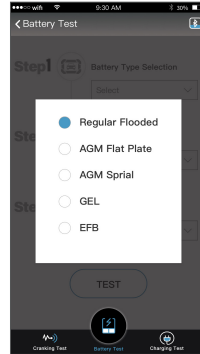
3) Click the matching device name to connect.



4) Click **"Battery Test"** on the home screen and click **"Start"**.

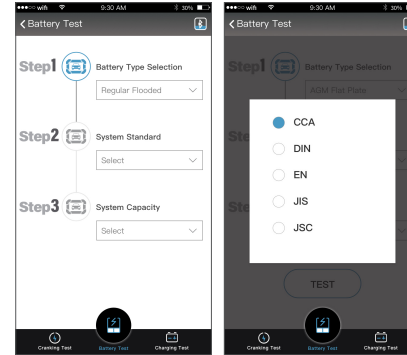


5) Select battery type and click **"OK"** to confirm.

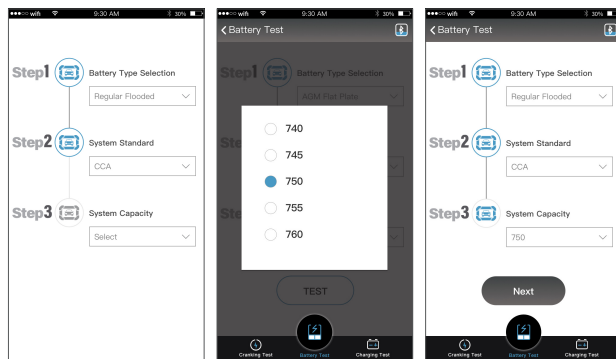


6) Select the standard value marked on the battery label, and click **"OK"** to confirm.

NOTE: If the battery is JIS standard, please refer to the table for value and select CCA (SAE) as the test standard (please Google JIS to CCA).

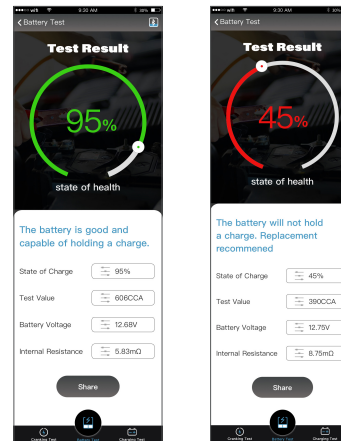


7) Select standard value marked on the battery label and click “OK” to confirm.



8) Click “Next” and wait a few seconds for results.

9) Drop down to share the results.



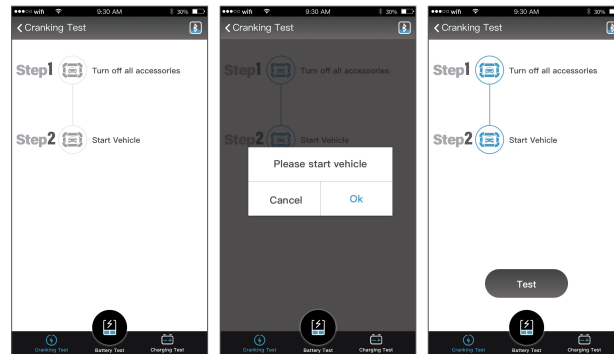
2. Cranking Test

NOTE: The engine and all other accessory loads must be **OFF** during test.

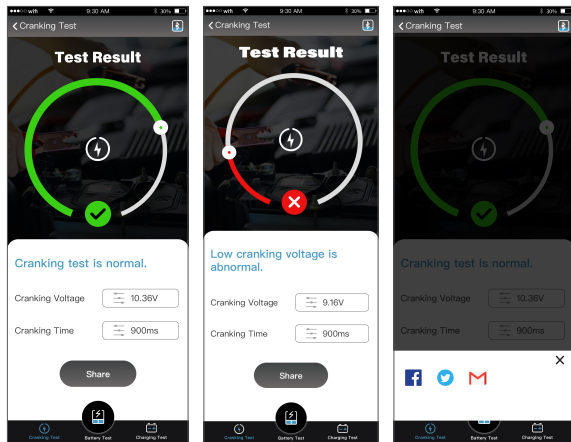
1) Click "**Cranking Test**" on the home screen, and then click "**Start**".



2) Follow the steps and start vehicle.



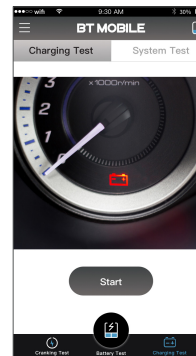
- 3) Click **"Test"** to get the results.
- 4) Drop down to share the results.



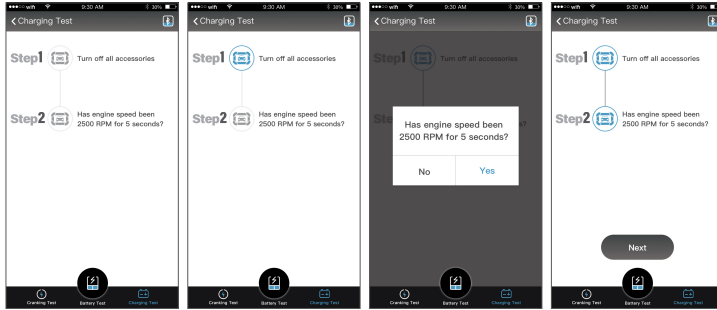
3. Charging Test

NOTE: The engine must be ON during test.

- 1) Click **"Charging Test"** on the home screen, then click **"Start"**.



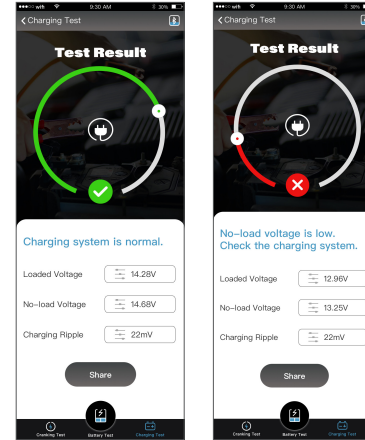
2) Follow the steps and start vehicle.



3) Step on the accelerator, increase the number of RPM to 2500, keep it for 5 seconds.

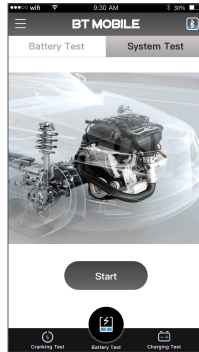
4) Click “Next” to get the results.

5) Drop-down to share the results.

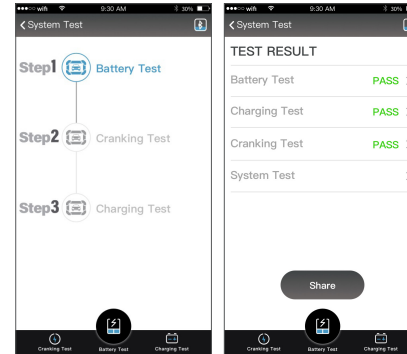


4. System Test (Overall Test for Battery)

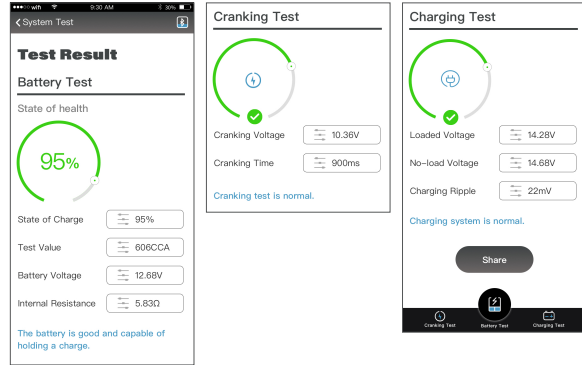
- 1) Select "**System Test**" in the upper right corner, or swipe the home screen left to the system test options.



- 2) Click "**Start**" to enter System Test operation interface and complete all tests (refer to **Battery Test, Cranking Test, Charging Test for details**). Click right arrow to access to each test result report.



3) Click "System Test" to access to each test result report.



4) Drop down to share test results.

Technical Specification

Working Temperature: -20°C~65°C (-4°F~140°F)

Storage Temperature: -20°C~70°C (-4°F~158°F)

Dimensions: 100mm*87mm*30mm

Weight: 260g

Warranty

✓ TOPDON Two Years Limited Warranty

The TOPDON Company warrants to its original purchaser that TOPDON products will be free from defects in material and workmanship for 24 months from the date of purchase (Warranty Period). For the defects reported during the Warranty Period, TOPDON will, according to the technical support analysis and confirmation, either repair or replace the defective part or product.

✓ This limited warranty is void under the following conditions:

Misused, disassembled, altered or repaired by a non-TOPDON technical repair specialist.

Careless handling and violation of operation.

⚠ Warnings

- ✓ DO NOT place the tester near the engine or exhaust pipe to avoid damage from high temperatures.
- ✓ DO NOT smoke, cause sparks, or strike matches near the battery when testing.
- ✓ DO NOT remove battery clamps while testing.
- ✓ DO NOT put the tester into a highly humid or dusty environment.
- ✓ DO NOT disassemble the tester.

Cautions

- ✔ Use this tester in accordance with these instructions, taking into account the working conditions and the work to be performed. Hazardous results could occur if tool is used for purposes not intended.
- ✔ Before testing, make sure the battery terminals are clean. Grease and dust could result in inaccurate test results.
- ✔ Wear eye protection when working around batteries.
- ✔ Check the insulation layer of the battery clamps is in good condition (no damage, bareness or disconnection) to avoid electric shock.
- ✔ Test in a well-ventilated area. Vehicle exhaust contains toxic carbon monoxide.
- ✔ Keep hair, hands, and clothing as well as tester leads and cords away from moving blades and belts.
- ✔ Keep the tester out of the reach of children.

FAQ

Q: Is BT MOBILE able to test vehicle alternator?

A: BT MOBILE can test alternator.

Q: Is BT MOBILE able to test motorcycle batteries?

A: It can test 12V battery, between 100 and 2000 CCA. If the motorcycle battery is within these values, then yes.

Q: How to set the CCA range?

A: You can set the data near to the CCA standard number of your battery.

Q: Does it test 12V deep cycle batteries?

A: Yes, it does.

Q: Will BT MOBILE work on motorcycle charging systems?

A: It works on a 12V system and the CCA range is between 100-2000.

Q: Will this tester work with marine batteries?

A: Yes, it can work with marine batteries.

Q: What do SOH, SOC, and BAT mean?

A: The SOH refers to the "State of Health". The SOC is the "State of Charge" and the BAT is the "Resistance Value" of the battery.

Q: Will this accurately load test ATV batteries?

A: Yes, it can accurately load test ATV batteries.