

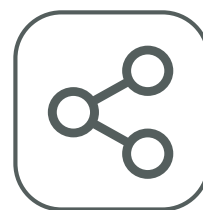


## DYNAMIC BATTERY TESTER

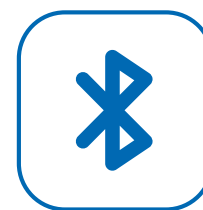
HU34045



FREE APP FOR  
APPLE & ANDROID



SHARE



BLUETOOTH



START & STOP



### NEW! Bluetooth Battery Tester + Live Monitoring

HU34045

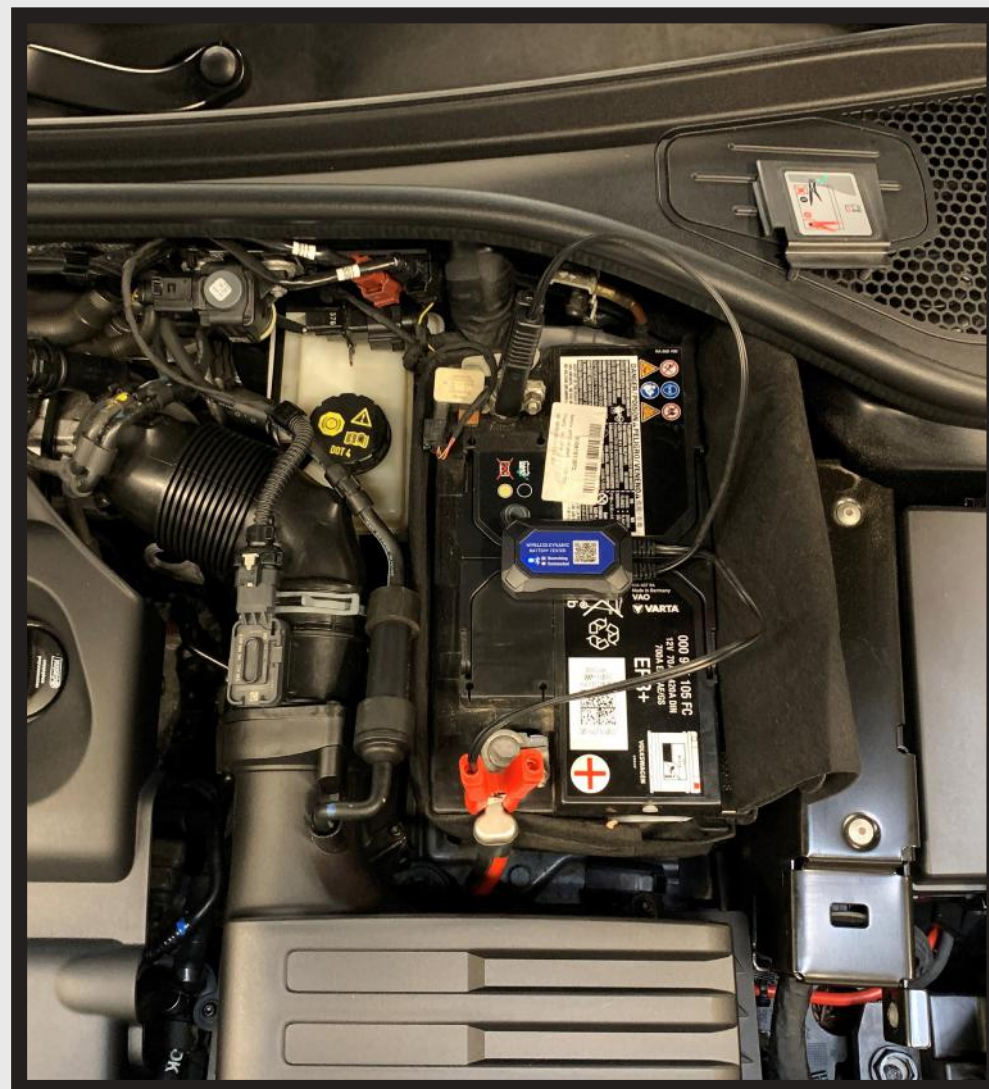
Ideal For Smart Alternator Test  
(Smart Battery Charging System)

4 Modes in 1 Tester :

- LIVE MONITORING DYNAMIC TEST (0-36v)  
BSM Battery System Management  
Smart Alternator



- Battery test
- Cranking test
- Charging system test

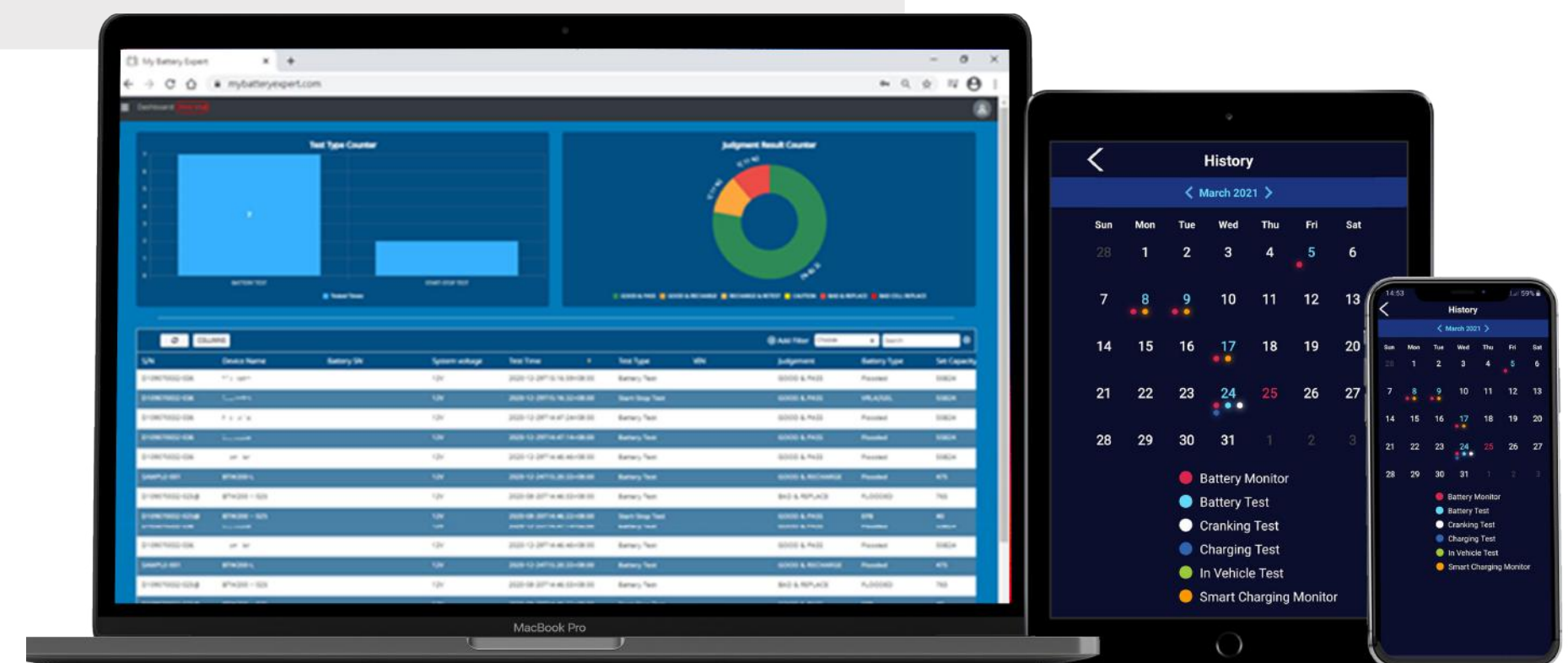


### CUSTOMER RELATIONSHIP & WARRANTY



Test results easy traceability

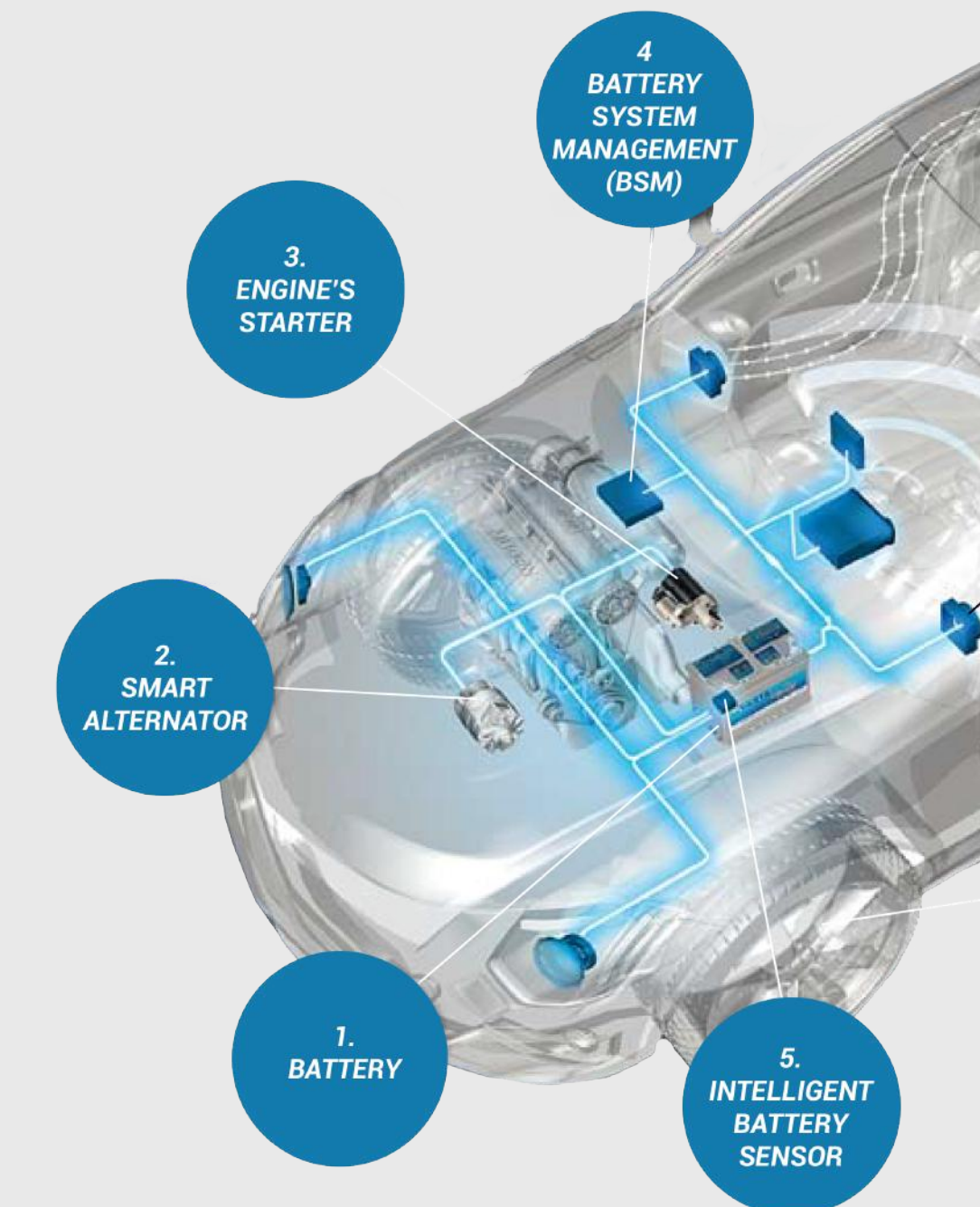
- Scan the VIN & battery S/N
- Installation date of the battery
- Shop / Garage info
- Customer info
- Share test results
- Optimal cloud data management



Easily find previously made tests in  
the history calendar or on the cloud



- Most cars are now equipped with smart charging technology for CO2 Emission reduction. These systems come along with more battery and charging System Related problems.
- Customers and technicians are therefore confronted with various warranty issues.
- The HU34045 enables to locate and isolate the real problem, avoiding to change any « good » expensive part.
- No more unhappy customer coming back each and every 6 months with the battery warning light on the dash.



**STOP CHANGING THE EXPENSIVE BATTERY WITHOUT A CLOSER DIAGNOSIS !**

**Intelligent charging system parts average prices :**



**BATTERY**  
350€



**ALTERNATOR**  
1400€



**BSM/BMS**  
500-700€



**INTELLIGENT BATT. SENSOR**  
80-250€

## 1. Monitoring test

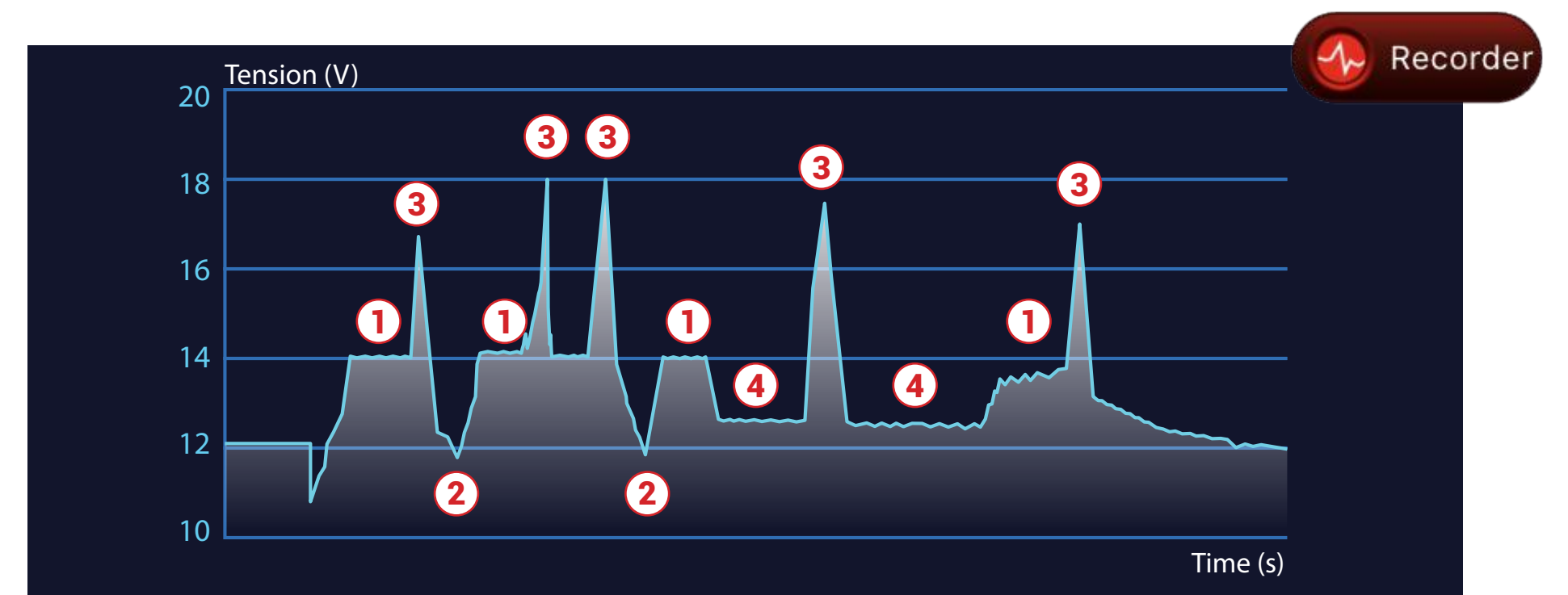
This mode allows to monitor the voltage LIVE and record the driving session to analyse it back at the workshop

### Detect :

- Charging voltage during the drive test ①
- Voltage drop when start&stop activates ②
- Voltage increase at the deceleration ③
- Smart alternator activation ④
- Notification for preset low or high voltage

### Diagnose :

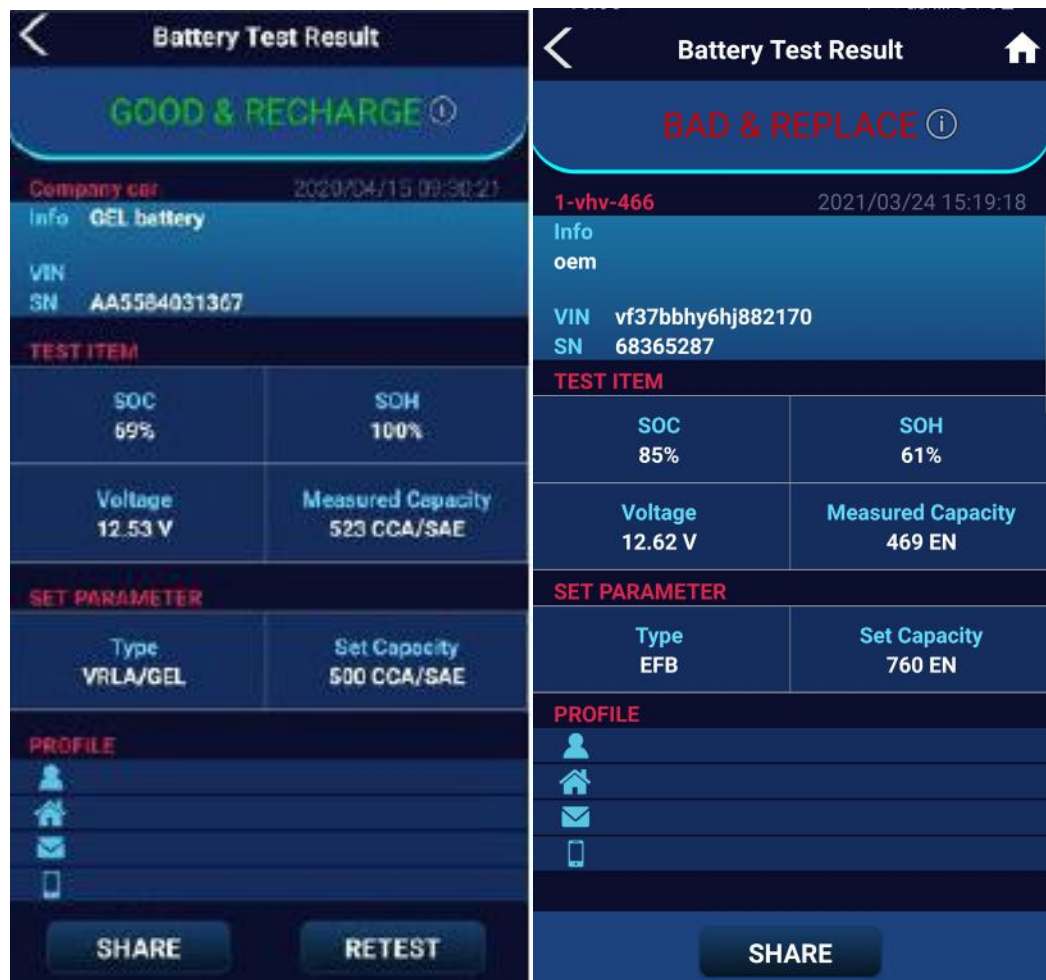
- Smart Alternator Issues
- BSM Issues (comparing values on the tester and the values read by the diagnostic tool)
- Current Sensor issues (comparing values on the tester and the values read by the diagnostic tool)
- Battery issues
- Starter issues



**IDEAL MODE TO DIAGNOSE BSM/SMART BATTERY SYSTEM ISSUES**

Example of use:

- 1. The car arrives at the workshop with a battery warning light on the dash.
- 2. Battery had already been changed 6 months ago.
- 3. The diagnostic tool indicated a correct voltage value in driving situation which led the battery system management to disengage the smart alternator (thus the charging system) to improve the CO2 emissions.
- 4. During the driving test with the dynamic tester HU34045, it showed that the battery wasn't currently charging and was slowly draining.
- 5. Conclusion : The problem was that the current sensor was giving a faulty information to the BSM and to the diagnostic tool.
- The tester allowed to locate the faulty component instead of changing the battery (again) or the smart alternator.



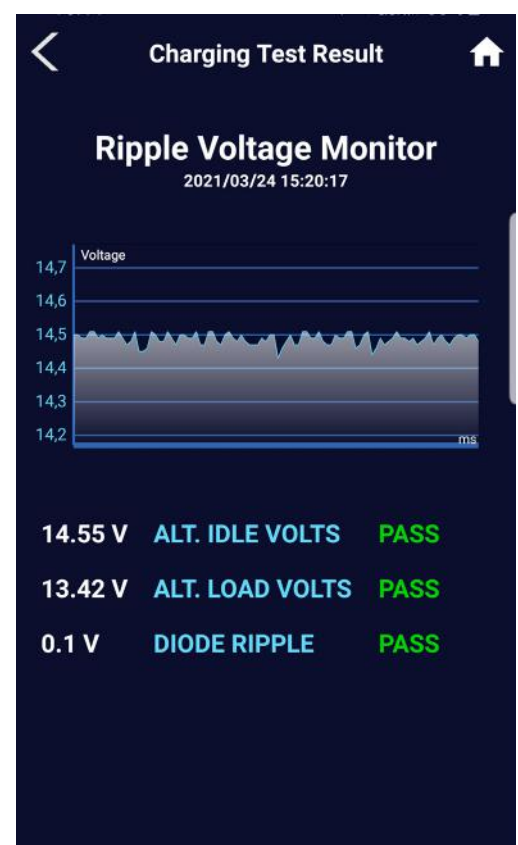
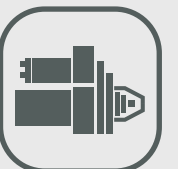
## 2. Battery test

- Tests all types of Start&Stop and standard batteries !
- Tests 12V batteries (FLOODED, AGM FLAT PLATE, AGM SPIRAL, VRLA/GEL, EFB)
- Rating&range : CCA/SAE: 40~2000
  - EN: 40~1885
  - DIN: 25~1120
  - IEC: 30~1320
  - JIS: By Battery Type No.
  - CA/MCA: 50~2400



## 3. Cranking test

- The test result shows PASS or FAIL of the cranking test including the detail info of crank time, cranking voltage, and the lowest voltage.
- The tester will guide the user along the testing process
- Displays graphic of the test.



## 4. Charging test

- The result shows PASS / FAIL results including idle, load, and ripple test with detected voltages and ripple voltage monitor.
- The tester will guide the user along the testing process.
- Displays graphic of the test.

