
EVBOX
Power
Vehicle
BT
I/O
Wireless
ADAS
ADAS Calibration
Special Function
Battery Diagnose
Diagnose
IMMO Matching
Update
Digital Power
TPMS00
Current Clamp
Feedback
Remote Diagnose
Others
SmartSafe

P01

P01

EV Detection Tool

Scan for more information

P01 is a professional detection level EV detection tool that integrates battery pack detection, whole vehicle system detection, and common maintenance functions.

Battery Pack "Professional Grade" Testing

Dedicated Connector for Battery Pack Testing

Offline Testing Capability

Comprehensive Vehicle Series and Full System Inspection

Features

1. Cover more than 95% of the whole system of EVs, and keep updating;
2. Supports testing of DC/DC converter, onboard charger, high-voltage distribution box, and other common maintenance functions
3. Provide four battery pack connection methods, including OBD, special connector, jumper connection and fast charging port connection;
4. Equipped with battery pack professional connector as standard and integrated aviation plug connector to improve detection efficiency;
5. Support ADAS calibration, tread detection, insulation tester, oscilloscope, digital power supply, multimeter, current clamp, video-scope and other expansion modules;
6. Dual WIFI design, the host is connected to the VCI with independent WIFI, and the VCI does not affect the host to access the Internet when it is working;
7. Provide the whole vehicle topological graph, clearly display the vehicle communication network, and quickly locate the fault point.

Parameters

Host

Display Size	10.1inches(1920x1200)
CPU	2.0GHz Octa-core
Memory	4GB
Storage	128GB
System	Android11
Wi-Fi	2.4GHz/5GHz
Camera	Front 8MP、Post 13MP
Battery	3.8V/9360mAH
Interface	Type A、Type C
Communication	Wi-Fi 、BT、USB
Product size	318×40.5×246.5mm

VCI

Voltage	DC9~36V
CPU	Cortex-A7 + Cortex-M7
Memory	256MB
Storage	8GB
System	Linux
Wi-Fi	2.4GHz/5GHz
Communication	Wi-Fi、BT、USB
Interface	USB Type B、OBD II -16、DC-IN
Product size	197×40×83mm

Functions

1. Battery pack detection: support battery pack detection of passenger car and commercial vehicle battery brands, read SOC/SOH, monomer/module voltage, temperature, battery pack status and fault information, and automatically calculate total voltage and differential pressure , key index data such as the highest/lowest voltage, and automatically mark abnormal data;

2. Vehicle detection: support the whole system and full-function detection of EVs, such as code reading, code clearing, data flow reading, action testing, and special functions;

3. Fast charging port detection: connect the fast charging detection gun with Bluetooth, and read the battery pack data through the fast charging port of the vehicle to realize fast detection of the battery pack;

4. Maintenance function: support offline testing of DC-DC converters, OBC car chargers, air conditioner compressors, 48V light hybrid components, etc., and support 30+ common special functions;

5. ADAS calibration: supports ADAS system calibration of many models in Europe, America, Asia, and China, compatible with ADAS PRO+, ADAS MOBILE, ADAS LITE, ADAS RADAR 3IN1 and other equipment;

6. Test report: support the display of battery pack test report, vehicle test report, ADAS calibration report, etc;

7. Software upgrade: support online upgrades, including model software, firmware software, and APP software;

8. Module expansion: support tread detection, digital power supply, oscilloscope, multimeter, current clamp, insulation test, endoscope and other functional expansions.

Battery Pack Detection Special Adapter List

	TL-101R	BYD TANG DM
	TL-102R	BYD HAN EV
	TL-127R	BYD D1
	TL-124B	Tesla Model 3
	TL-152B	Tesla Model 3
	TL-153B	Tesla Model S & X

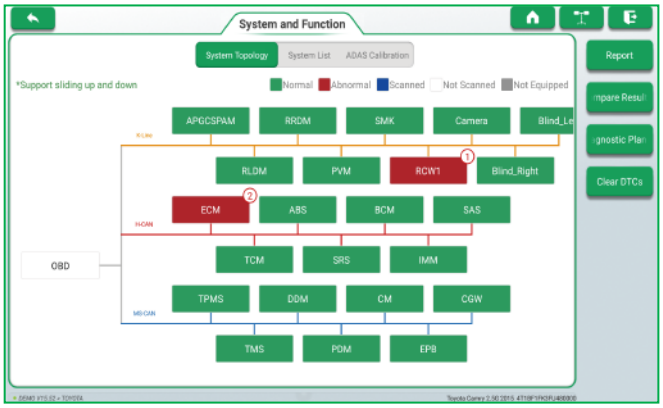
Four Battery Pack Detection Methods

Supporting specialized adapter connection, quick charging port connection (Only for Chinese models) , jumper connection, and OBD connection, these four methods offer users a broader range of choices.

Supports offline testing capability

Supports offline testing for components like air conditioning compressors, onboard chargers (OBC), DC-DC converters, and 48V mild hybrid components

Topological graph for quick fault localization



Provide the whole vehicle topological graph, clearly display the vehicle communication network, and quickly locate the fault point

Dedicated Battery Pack Testing Software

Built-in dedicated battery pack testing software, supports battery pack testing based on car brand or battery manufacturer, allowing users to access battery pack testing functions more quickly

Coverage for Over 95% of EV Models

Currently, it covers battery pack testing and full-system testing for over 95% of EV brands, with ongoing updates.