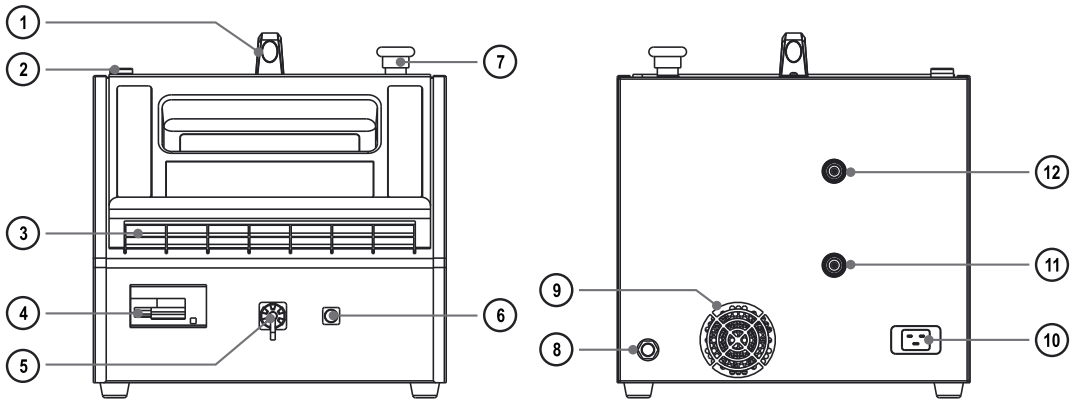
ECP739 Quick Reference Guide

Statement: This document provides a quick guide to basic device operations and troubleshooting. All pictures in this document are for reference only, the real product should prevail. We reserve the right to modify this Quick Reference Guide.

Product Introduction

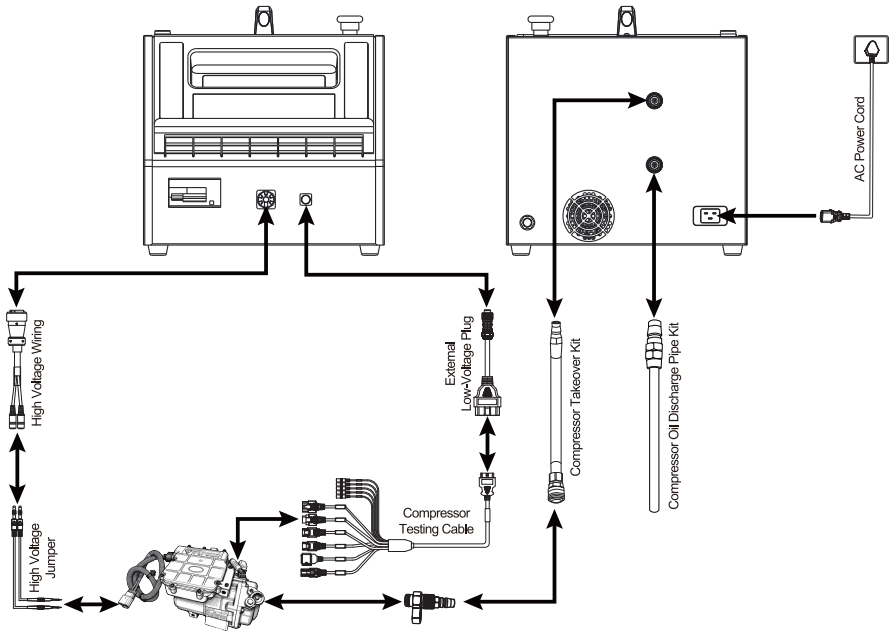
The ECP739 Electric Compressor Comprehensive Tester is a modular, multi-protocol compatible specialized test equipment developed by SmartSafe. It performs fast and accurate "off-vehicle" testing on compressors by simulating the real operating environment of the compressor on the vehicle (power supply, communication, load, etc.).

Device Interfaces and Controls



① Handle	⑤ High Voltage Output Interface	⑨ Cooling Fan
② Indicator Light	⑥ Low Voltage Output Interface	⑩ Power Input Port
③ Tablet Stand	⑦ Emergency Stop Switch	⑪ Oil Drain Port
④ AC Switch	⑧ Vent	⑫ High-Pressure Port

Device Connection



High Voltage Connection

Insert one end of the aviation plug of the high voltage wire into the equipment's **"High Voltage Output Interface"**, and connect the other end to the positive and negative terminals of the compressor high voltage socket using high voltage jumpers.

Low Voltage Connection

Connect the external low voltage plug to the equipment's "Low Voltage Output Interface". Connect the other end to the female connector of the compressor test cable. Select the corresponding interface according to the compressor type to insert into the low voltage communication interface of the compressor. If a matching interface has not been developed for the compressor, use jumpers for connection according to the software guidelines.

High-Pressure Port

Connect the compressor piping assembly to the equipment's **"High-Pressure Port"**, and connect the other end to the compressor's high-pressure pipe port via the plug.

Oil Drain Port

Connect the compressor oil drain pipe assembly to the equipment's "Oil Drain Port", and connect the other end to a recovery container.

Power Supply Connection

Use the supplied power cable to connect the equipment's power input port and the power socket to supply power to the equipment. Confirm that the input voltage matches.

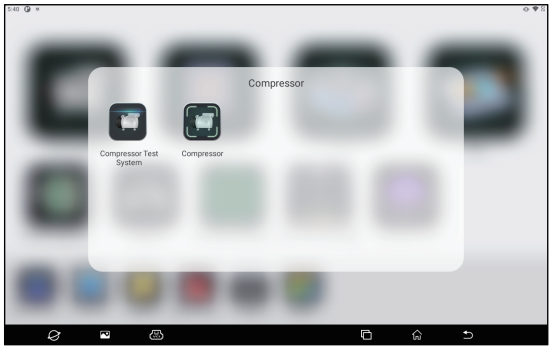
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APP Usage

1 APP Launch

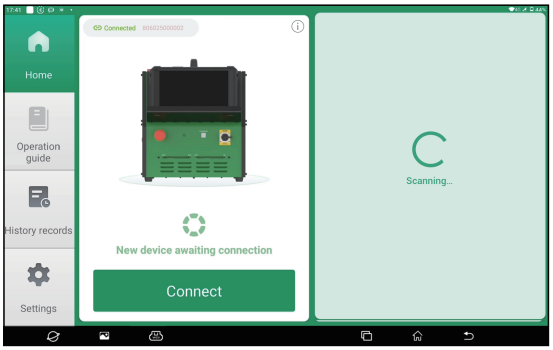
Tap the **"Compressor"** icon on the home page of the diagnostic tablet (optional) to launch the corresponding APP. Select the **"Compressor"** option in the pop-up window.

Note: Functional modules may vary across different diagnostic tablets. The following images are for reference only. Please refer to the actual diagnostic tablet for specific functional modules.



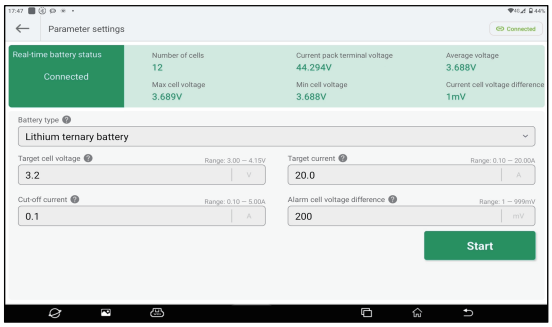
2 Device connection

After the diagnostic tablet searches for the ECP739 device, select the corresponding device on the home page and tap **"Connect"**.



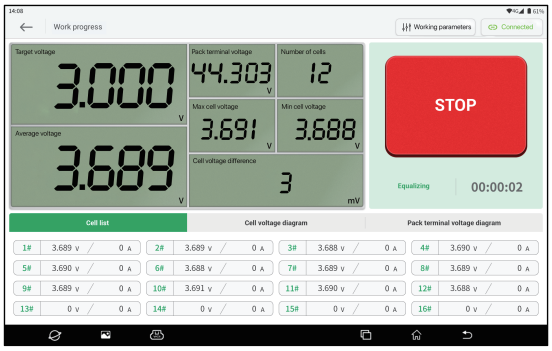
3 Select Compressor Model

Select the corresponding vehicle brand, compressor brand, or compressor model to proceed to the connection guide page.



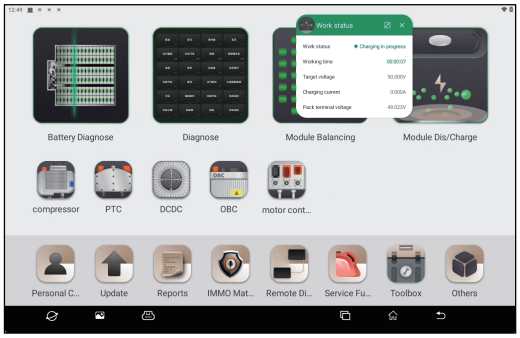
4 Connection Guide

Complete the equipment line connection according to the connection guide on the screen and tap **"Next"** to enter the warning information interface. After learning and understanding the relevant safety regulations for operating the equipment, tap **"Next"** to start the compressor diagnosis.



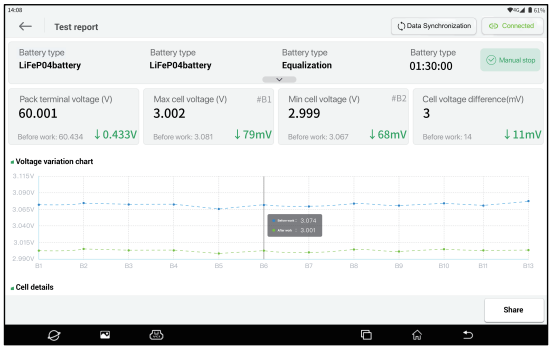
5 Work Details

On the test page, parameters and curves related to the equipment operating status can be viewed.



6 Test Report

After the test ends, tap **"View Report"** to generate a test report. The test report can also be shared via QR code, email, or Bluetooth.



FAQ

1. What to do if the ECP739 cannot be found?

A: First, check that the ECP739 is powered on and confirm that the top indicator light is solid green. Check whether the diagnostic tablet's Bluetooth is enabled, and move the diagnostic tablet closer to the ECP739 to reduce the likelihood of Bluetooth signal obstruction.

2. Will it stop working if Bluetooth disconnects?

A: Bluetooth disconnection will not affect normal operation of the equipment. Users can use the diagnostic tablet to perform other tasks.

3. How to handle abnormal shutdown?

A: The equipment is equipped with comprehensive safety mechanisms. Once a fault or potential safety risk is detected, it will automatically shut down to ensure the safety of the equipment and the user. After eliminating the cause as prompted, restart the operation.