



Power Battery EOL Testing System

Application

Designed specifically for battery modules/packs in electric vehicles, buses, and various energy storage systems, it integrates automated testing, data analysis, and efficiency optimization functions, providing a one-stop static testing solution covering production line testing and quality control.



RP-EOL-CEP01~04
RP-EOL-CEM02~04
RP-EOL-CEPro

RP-EOL-ULP01~04
RP-EOL-ULM02~04
RP-EOL-ULPro

Test Functionality

Safety Compliance Test	Insulation resistance test, DC/AC withstand voltage test, equipotential test
Electrical Performance Test	Total voltage, total internal resistance, individual cell voltage drop, NTC accuracy, BMS power consumption
Bms Communication & Functional Test	CAN/CANFD, RS485 communication, DBC parsing, UDS diagnostics, CAN terminating resistor
Signal Simulation Test	PWM signal, collision signal, charging gun signal, high voltage interlock simulation, insulation leakage simulation

Advantages and Features



High-precision, intelligent testing

- Integrated with imported high-precision standard instruments, ensuring reliable and standardized test results;
- Supports production verification and R&D research testing modes;
- Fully intelligent and automated workflow to reduce operators and improve testing efficiency;
- Software supports parsing various BMS communication protocols, transparent parsing without any algorithm processing.



High compatibility and scalability

- The equipment boasts strong compatibility, meeting diverse testing needs for modules, single enclosures, and PACK packages.
- It offers high scalability, allowing for the addition or removal of different functional modules to meet varying battery testing requirements.
- It features a self-developed open software platform that supports integrated use with instruments from different brands, maximizing customer satisfaction.
- Customized testing functions and projects are available.

Product Parameters

Open circuit voltage	Module	1000V Max
	PACK	2000V Max
AC withstand voltage		5KV/100mA
DC withstand voltage		6kV / 7.2kV / 10kV / 10mA
Insulation resistance		6KV/99.99GΩ
Grounding resistance		40A/600mΩ
AC impedance ACIR		0.1mΩ~3KΩ
BMS communication module		Supports CAN2.0A/B, CAN FD, CANoe, LIN, RS232, RS485
UDS Diagnostics/Unlocking		Support
Special customized module		It can integrate DCIR, oscilloscope, airtightness tester, etc.
Protection level		IP32
Equipment dimensions (W*D*H mm)		850*800*1980

Note: For specific models and parameters, please refer to the corresponding technical specifications.

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