

POREOL-6501ESS



RePower 瑞能

Portable ESS Safety Test System

Application

It is mainly used in power grid user-side energy storage power stations, distribution area and aftermarket containerized energy storage, household and mobile energy storage battery pack inspection and maintenance, warehouse battery pack spot checks, battery pack return to factory for repair and other application scenarios.

Test Functionality



Safety Test



Voltage Test



Ground Resistance Test



Compliance Test



Temperature Test



Communication Test

Advantages and Features

Intelligent, Efficient & Accurate



Intelligent self-developed software supports data storage and download. Compatible with various BMS protocols with transparent analysis without algorithm modification. Auto data saving, test resuming after power failure, and online report generation.

Rich Functions, Wide Compatibility



High compatibility for battery clusters, energy storage systems and power stations. Supports production verification and R&D testing. Equipped with complete external ports for insulation withstand voltage, total voltage detection and CAN communication.

Ultra-compact size, extremely convenient



With a total size of 28-inch luggage, the machine can be easily packed into the trunk of a car. Equipped with silent swivel wheels, it can be easily carried by a single person directly to the customer's site, making it safe and worry-free to use.

Built-in Power, Long Endurance



Built-in UPS supports up to 8 hours standby and 4 hours continuous operation. IP32 protection suitable for indoor, outdoor, workshop and warehouse environments.

Product Parameters

Operating Temp.&Humidity	0°C~45°C; 30%~65%RH (Non-condensing)
Storage Temp.&Humidity	-10°C~70°C; 20%~90%RH(Non-condensing)
Input Power	220Vac/50Hz
AC Withstand	5kV/20mA
DC Withstand	6kV/10mA
Insulation Resistance	6kV/50GΩ
Voltage	Range: 200mV-1000V, Resolution: 61 2, Accuracy: 0.01%;
Resistance	Range: 0-200kΩ, Accuracy: 0.05%; Range: 200kΩ-10MΩ, Accuracy: 1%;
Power Output	AC: 220V*1, DC: 12V*1, DC: 24V*1
Communication	CAN FD*2 Baud rate: 40K~5Mbps
Software	Supports synchronous voltage and temperature acquisition and auto-storage. It transparently parses various BMS protocols without algorithm intervention to ensure data authenticity. Automatically saves parameters and resumes testing after power failure, and generates online test reports for one-click export.
IP Rating	IP32
Noise	< 70dB
Cabinet Size	485*870*412mm (W*H*D)
UPS Capacity	Standby time: ≥8H Operating: ≥4H

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

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