

# HRCDS-60V~500V

100A/150A/200A/300A/400A/600A



# RePower 瑞能

## Module/PACK Test System

### Application

This system is mainly used for new energy vehicles, energy storage, modules, PACK battery systems, and other lithium or lead-acid battery group testing and quality control. Enables integrated charge-discharge data monitoring.

### Test Functionality



Conditional Pulse Test



Matrix Test



Capacity test



Dynamic and Static SOC Test



Cycle Life Test



Charge/Discharge Test



Temperature Characteristics Test



DC Internal Resistance Test

## Advantages and Features

### Energy Feedback



High-quality discharge energy feedback to the grid with efficiency up to 92%. Bidirectional energy-saving charge-discharge reduces significant electricity costs and minimizes additional cooling expenses caused by heat dissipation.

### High Power Density



Utilizes advanced three-level technology combined with high-frequency isolation switching to enhance energy conversion efficiency, improving power density while reducing module size.

### High Precision



Stable and high-accuracy current/voltage sampling. Equipped with high-precision, high-dynamic-range ADC units, ensuring long-term stability in voltage measurements.

### Multi-Channel Parallel Operation



Allows independent channel setting and parallel operation modes via software, forming various test systems with different current ranges. Highly convenient, supports cross-box multi-channel parallel to increase current range.

### Offline Operation



Supports offline operation of devices, ensuring the safety and integrity of test data, and providing data channel migration functionality.

### Operating Condition Pulse Test



Maximizes the simulation of real-world battery road conditions and meets various high-speed dynamic tests in the laboratory; minimum time interval is 20ms, supports importing current/power operating conditions from Excel.

## Product Parameters

Voltage	Scope	60V~500V
	Accuracy	± 0.03% F.S
	Resolution	1mV
Current	Scope	100A/150A/200A/300A/400A/600A
	Accuracy	± 0.03% F.S
	Resolution	1mA
Current response time		3ms (10%~90% F.S)
Current switching time		5ms (-90%~90% F.S)
Communication		LAN
Third-party/auxiliary module linkage		Supports linkage between temperature box, MTV/MTS, I/O control box, chiller, etc.
Equipment size (W*D*H mm)		600*850*1030 / 600*800*1980

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

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