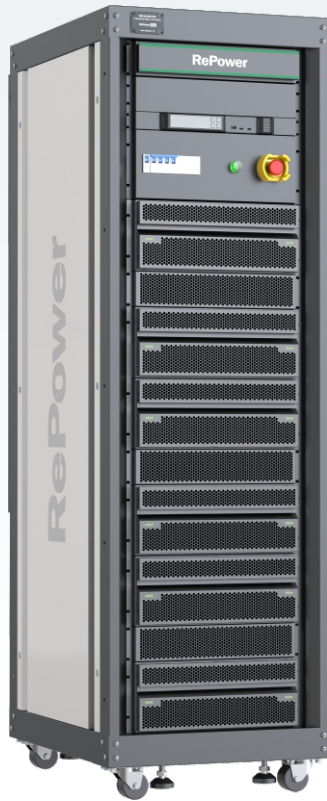


# HRCDS-6V Series

100A/200A/300A/500A...2000A



# RePower 瑞能

## Power Cell Test System

### Application

RePower 6V series power battery test system can test various power batteries (lithium batteries , lead-acid batteries , Nickel-cadmium battery , NiMH batteries) for electrical performance testing , which can meet the real road condition simulation test requirements of the battery to the greatest extent , and accurately sample various battery parameters in real time, store, analyze, and give early warning to provide reliable data reference for battery research, development and production.



### Test Functionality



Cycle Life Test



Capacity Test



Charge and Discharge Test



Temperature Characteristics Test



Charge Retention Capability



Dynamic and Static SOC Test



High-speed Pulse Test



DCIR Test

## Advantages and Features

### Upgraded Module 96CH in 1 Cabinet



Using single channel & board design, performance and stability are greatly improved. High integration, less wires, easy to use and maintain.

### Multi-range Higher Accuracy



The current levels are 25%FS, 50%FS, 100%FS;  
Grading current accuracy: 0.02%FS.

### Ultra-wide Voltage Range Support - 6V to 6V



Wide testing range;  
When testing negative voltage batteries, it can deliver a continuous voltage output of up to 6V without exceeding the maximum power of the equipment.

### 24 hours Offline



After the host computer communication is interrupted, the equipment can run offline with full functions for 24 hours and automatically connect after communication is restored. Testing without interruption to ensure data integrity and security.

### High-speed Road Condition Simulation



Maximize to meet the battery real road condition simulation test;  
Satisfy all high-speed dynamic tests in the laboratory;  
Minimum time interval 10ms, support current/power conditions EXCEL import.

### Intelligent Software



Comparison of multi-channel charge and discharge curves , multi-channel battery data synchronization , supporting battery fitting consistency Analysis to quickly identify abnormal batteries.

### Product Parameters

Voltage	Scope	0V~±6V
	Accuracy	± 0.02% F.S
	Resolution	0.1mV
Current	Scope	40A/60A/100A/200A/300A/500A...2000A
	Accuracy	± 0.02% F.S. is divided into three levels: 25%, 50%, 100%
	Resolution	0.1mA
Current response time		5ms (10%~90% F.S)
Current switching time		10ms (-90%~90% F.S)
Minimum operating interval		10ms
Communication		LAN
Third-party/auxiliary module linkage		Support linkage with temperature box, MTV/MTS, pressure sensor, 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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