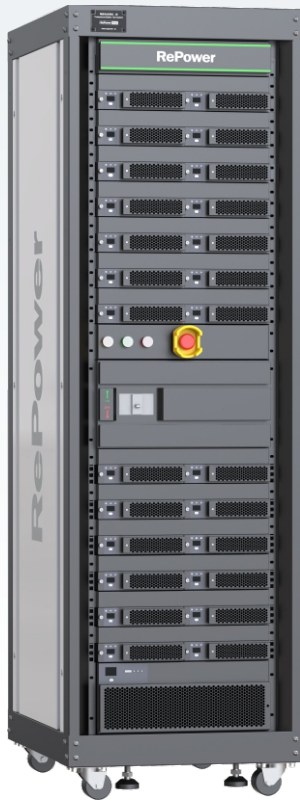


HRCDS-60V/100V

20A/30A/40A/60A



RePower 瑞能

Module/PACK Test System

Application

This system is mainly used for testing, production, and quality control of lithium or lead-acid battery packs in various applications, including electric bicycles, power tools, electric motorcycles, drones, medical devices, robotic vacuum cleaners, hoverboards, and vacuum cleaners. It integrates cycle charging and discharging, DCIR testing, battery pack data monitoring, and charge/discharge function testing, ensuring maximum efficiency, stability, energy savings, and cost-effectiveness.



Test Functionality



Cycle Life Test



Capacity Test



CAN/RS485
Communication



Dynamic & Static
SOC Test



Charge/Discharge
Test



Temperature
Characteristics Test



Overcharge/
Over-discharge Test



DC Internal
Resistance Test

Advantages and Features

Upgraded Module 24CH in 1 Cabinet



Adopts a modular design, enabling easy expansion and quick maintenance of channels.

Supports channel parallel connections for dynamic capacity expansion.

Ensures stable performance, with each channel independently controlled and supporting individual communication protocols.

Highly integrated system with compact size, making installation and maintenance more convenient.

Energy Feedback Efficiency $\geq 90\%$



High-quality discharge energy feedback to the power grid, with efficiency $\geq 90\%$.

Low energy consumption, reducing air conditioning costs.

Bidirectional charge-discharge energy saving, enabling energy transfer between channels via the bus for further efficiency optimization and cost reduction.

Intelligent Software



The system enables multi-channel charge and discharge curve comparison and synchronized multi-channel battery data processing. It supports battery consistency analysis, allowing quick identification of abnormal batteries.

The software also features customizable protection control parameters and enhanced logical protection functions. Designed to meet the needs of R&D and testing, it offers comprehensive and powerful functionalities.

Product Parameters

Voltage	Scope	60V~100V
	Accuracy	$\pm 0.05\%$ F.S
	Resolution	1mV
Current	Scope	20A/30A/40A/60A
	Accuracy	$\pm 0.05\%$ F.S
	Resolution	1mA
Current response time		10ms (10%~90% F.S)
Current switching time		20ms (-90%~90% F.S)
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.

RePower Technology Co., Ltd.

Address: Tower 3A & 3B, Shangzhi Park, Guangming District, Shenzhen, China

Tel: +86-755-26703611 / Email: marketing@repower.cn

www.repowerglobal.com

