

MW-level Energy Storage Container Test System

Covering energy storage battery cluster, PACK and system level testing.

50~1650V

Voltage range

400~8000A

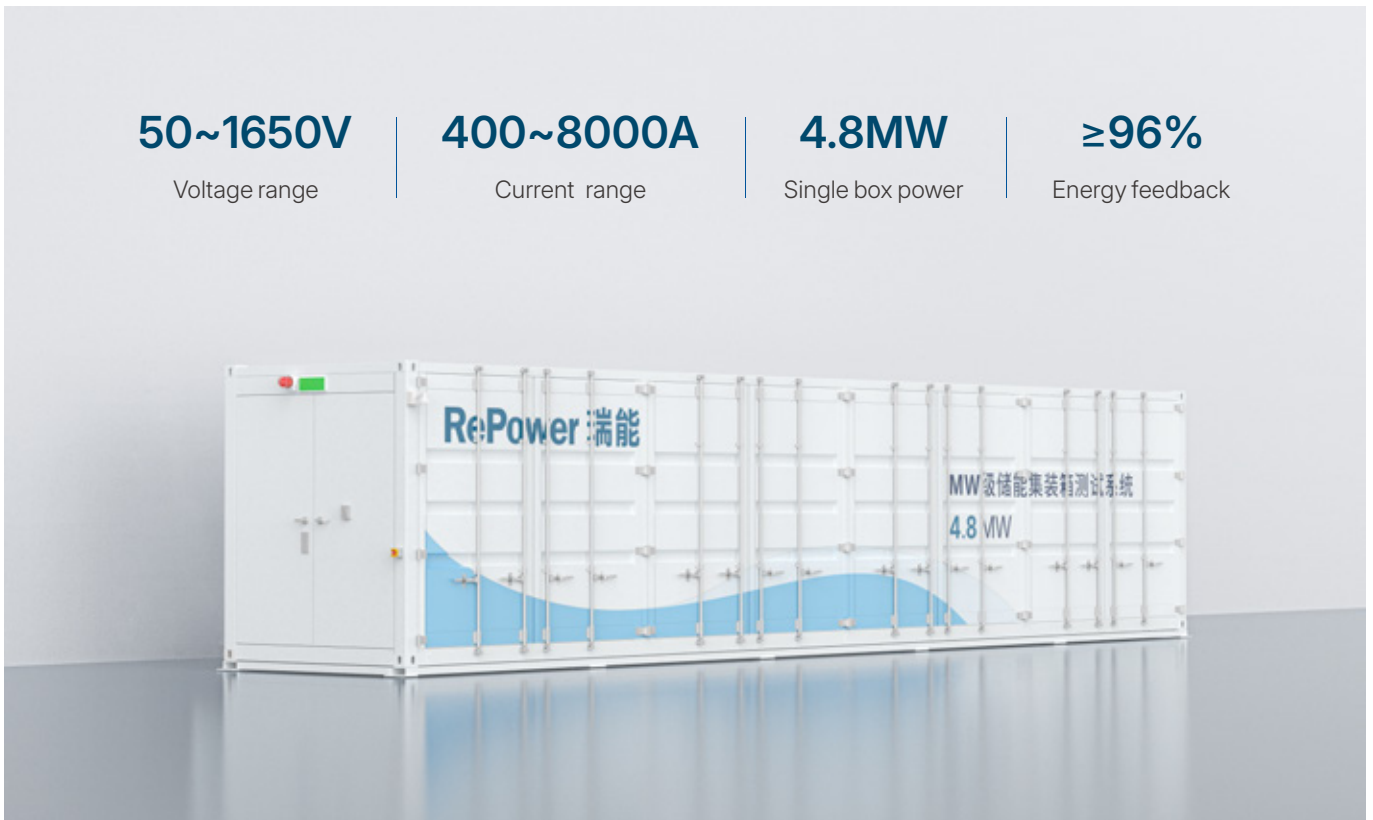
Current range

4.8MW

Single box power

≥96%

Energy feedback

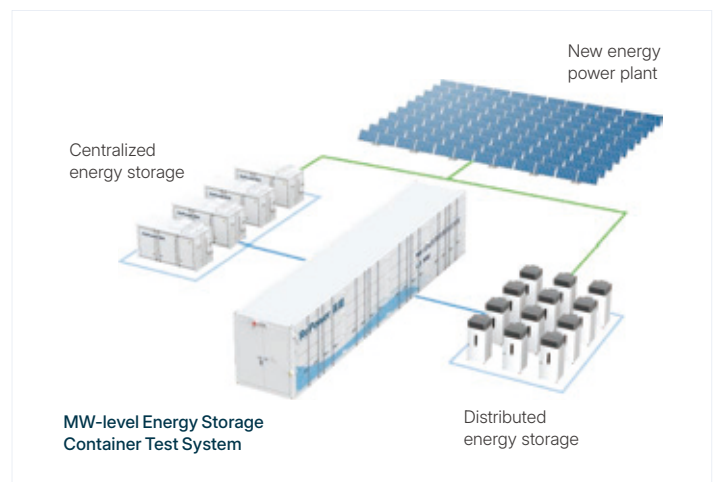


Designed for large-scale energy storage

It integrates whole-container battery performance testing, off-line product testing and certification testing, and has MW-class ultra-high power output capability to comprehensively cover energy storage battery cluster, PACK and system-level testing requirements.

Modular architecture - easy to expand and customize

Adopting modular architecture, supporting flexible power expansion and customized configuration, it provides an efficient and accurate test and certification platform for the third-generation energy storage system.



Advantages and Features

Grid-level Energy Storage System Test



The power of a single container reaches 4.8MW (flexibly expandable). Current range 400~8000A, voltage range 50~1650V, meeting the full range of grid-level energy storage systems Condition testing requirements.

Flexible Architecture



The system adopts a flexible architecture , support channel independent operation , free parallel connection and dynamic power allocation, can quickly customize ultra-high voltage and ultra-high power testing plan.

High Precision



High voltage and current accuracy, strong stability, meeting the power supply needs of precision equipment.

Modular Design



Modular design for easy operation and maintenance ; Cooling solutions and multiple protective measures extend the life of equipment.

Test Continuity



Test plans can be stored locally and executed with one click. Supports continued operation after power failure , ensuring test continuity and data integrity.

Peak Shifting Control



Through RePower energy management software to achieve cabinet peak control, prioritize energy internal circulation, drop low grid impact , reducing customers' initial investment and matching electric power.

Product Parameters

| | |
|------------------|-----------------------------------|
| Input | 35kV / 10kV / 380V |
| Output | 50~1650V, 400~8000A |
| Power | 1.2M~4.8MW (single cabinet) |
| Voltage accuracy | 0.05% |
| Current accuracy | 0.05% |
| Power accuracy | 0.1% |
| Response | 50ms one-way, 100ms switching |
| Protection level | IP55, supports indoor and outdoor |
| Communication | CAN / LAN / RS485 |
| Efficiency | ≥96% |
| Channel range | Up to 20CH |

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

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