

# HIGH-VOLT STORAGE BATTERY CLUSTER

Test System



## System Features >



### Ultra-high Accuracy Testing

Voltage Accuracy: 0.02%F.S.  
Current Accuracy: 0.05%F.S.



### Ultra-wide Voltage And Current Output

1700V High Voltage Charge/Discharge, Compatible with various high voltage batteries  
Single channel 2000A high current test



### High Regenerative Efficiency

SiC technology, 96% regenerative efficiency  
Ultra-high energy density 450+kW/m³



### Flexible Expansion

Integrated BMS \ voltage \ temperature \ temperature chamber \ Water chiller etc., efficient linkage

## Key System Parameters >

Model	Voltage Parameters
Output Voltage Range	30V~1700V
Voltage Accuracy	± 0.02%F.S.
Voltage Resolution	0.1mV
Current Parameters	
Output Current Range	-50A~+50A   -100A~+100A   -200A~+200A   -400A~+400A   -600A~+600A   -1000A~+1000A
Current Range	/   50A/100A   50A/100A/200A   50A/100A/200A/400A   50A/100A/300A/600A   50A/100A/500A/1000A
Current Accuracy	± 0.02%F.S.
Current Resolution	0.1mA
Channels Quantity	2CH/4CH (Support for customisation)
Power Parameters	
Power Of The Whole Machine	400kW~1.2MW (Support for customisation)
Charge And Discharge Test Parameters	
Rising Time	≤5ms
Switching Time	≤10ms
Minimum Recording Time	1ms/0.1mV/0.1mA
Charge-discharge Operation Mode	CC、CV、CP、CC-CV、CR、DCIR、Pulse、Drive simulation and other modes
Drive Simulation For EVs	50ms operating condition, 1000w+ lines of text, support Excel import
Channel Parallel	Supports parallel connection of 3200A (channel current accuracy after parallel connection meets ±0.02% F.S.)
Efficiency	Charge Efficiency:96%;Feedback Efficiency:96%

Note: The specific model and parameters are subject to the technical specifications or agreement

## Test Functions >

Cycle Test

Magnification Test

Capacity Test

Dynamic And Static SOC Test

Temperature Characterization Test

DCIR Test