

# EV BATTERY

Test System

## System Features >



### Ultra-high Accuracy Test

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



### High Regenerative Efficiency

Advanced three-level technology, high efficiency & low loss Energy feed back to the grid, 75% efficiency



### High-speed Roadmaps

2ms fast current response  
20ms roadmaps test



### Flexible Expansion

Integrated voltage \ temperature \ expansion force \ temp chamber \ Water chiller etc., efficient linkage

## Key System Parameters >

Model	BTS-5V60A48CH	BTS-5V100A32CH	BTS-5V200A16CH	BTS-5V300A16CH	BTS-5V400A16CH	BTS-5V600A8CH	BTS-5V1200A4CH
Max Power	14.4kW	16kW	16kW	24kW	32kW	24kW	24kW
Channels Quantity (Customizable)	48CH	32CH	16CH	16CH	16CH	8CH	4CH
<b>Voltage Parameters</b>							
Output Charge Voltage	0V~5V						
Output Discharge Voltage	1V~5V						
Voltage Accuracy	± 0.02%F.S.						
Voltage Resolution	0.1mV						
<b>Current Parameters</b>							
Output Current Range	-60A~+60A	-100A~+100A	-200A~+200A	-300A~+300A	-400A~+400A	-600A~+600A	-1200A~+1200A
Current Range	60A	20A/100A	20A/100A/200A	20A/100A/300A	20A/200A/400A	20A/300A/600A	20A/200A/600A/1200A
Current Accuracy	± 0.02%F.S.						
Current Resolution	0.1mA						
<b>Charge And Discharge Test Parameters</b>							
Rising Time	≤2ms						
Switching Time	≤3ms						
Minimum Recording Time	10ms/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	20ms operating condition, 1000w+ lines of text, support Excel import						
Channel Parallel	Supports parallel connection of 4800A (channel current accuracy after parallel connection meets ±0.02% F.S.)						
Efficiency	Charge efficiency: 80%; Feedback efficiency: 75%						

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

## Test Functions >

- Cycle Test
- Capacity Test
- Charge Holding Capacity
- Dynamic And Static SOC Test
- Magnification Test
- Temperature Characterization Test
- Multi-electrode Battery Test
- DCIR Test

