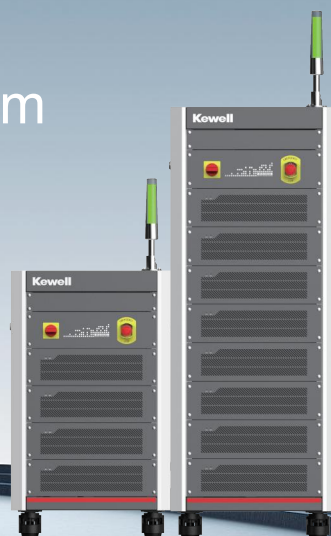


Cell Charge-discharge Test System

— B2000-EC Series —



B2000-EC Series is a cell charge and discharge test system featuring high accuracy, high dynamic response, and high efficiency, with bi-directional flow of energy. The test system adopts a modular design and integrates data acquisition and monitoring in the charging and discharging process. Equipped with functions such as ripple injection, overcharge protection, negative voltage discharging, and multi-channel paralleling, it enjoys widespread applications in the EOL testing and R&D for cells of traction battery and energy storage battery, as well as testing performed by research institutes.



0.02%F.S.

High accuracy, four current ranges



<1ms

Current response time



1ms

Fast data logging



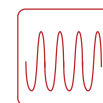
Road Spectrum Test

With resolution of 10ms,
accuracy of 0.02%F.S.



Negative Voltage Test

-6V~6V (-10V~10V optional)



Ripple Injection

0.01Hz-2kHz

Product Features



Cycle Life Testing



Capacity Testing



N*C Rate Charge
-discharge Testing



DCIR



Pulse Testing



Road Spectrum
Simulation



Ripple Injection

B2000-EC Series			
Function parameters		Version	
Voltage range	Current/Channel		Normal
			Pro
0-6V (charge)	100A	4/8/12/16CH	•
	200A	4/8/12/16CH	•
	300A	4/8/12/16CH	•
	400A	4/8/12/16CH	•
	500A	4/6/8CH	•
	600A	4/6/8CH	•
	700A	4/6/8CH	•
	800A	4/6/8CH	•
Function	Ripple		○
Output parameters	Discharge voltage range		0.5V~6V
	Voltage accuracy		±0.05%F.S.@ 15-35°C
	Current accuracy		±0.05%F.S.@ 15-35°C
	Current response		≤2ms
	Current switching		≤4ms
	Min. operating condition interval		20ms
	Data logging time		10ms
	Display resolution		0.1mV/0.1mA
	Setting resolution		1mV/1mA
	Multi-channel parallel connection		Yes
	Multiple current ranges		Yes
Input parameters	Grid voltage		380Vac+15%
	Grid frequency		50/60Hz±5Hz
Temperature sampling	Sensor type		K-type, T-type
	Sampling range		-50~200°C
General parameters	Noise		<70dB
	Ambient temperature		-10~40°C
	External communication interfaces		LAN@software/ LAN, RS485 and CANFD@peripherals
	Dimensions/Weight		See product portfolio for details

Note: • come with standard machine ○ optional - none

*1: One cabinet supports a maximum of 2 channels to perform data logging at the interval of 1ms, while the other channels can record data at an interval ≥10ms.

Traction battery cell

Energy storage battery cell

R&D

Testing institutes