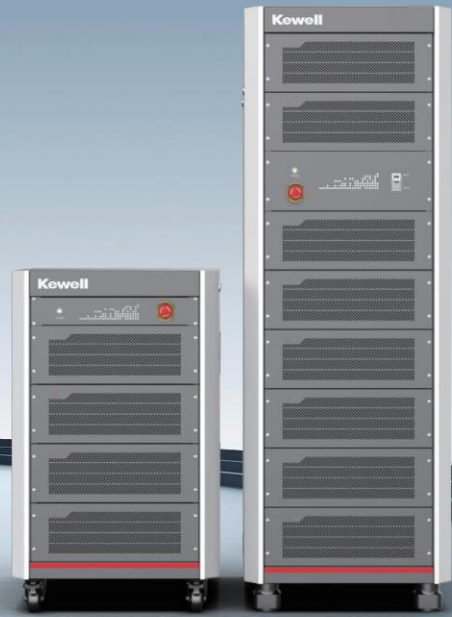


# Cell Charge and Discharge Test System

B2000-EC Series



B2000-EC series is an efficient, high-performance system for cell charge and discharge testing. The test system features modularized design, high precision, high dynamic response, multi-channel parallel connection, and bidirectional power supply. It integrates data acquisition and monitoring in the charging and discharging process. B2000-EC series 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.



## Current response $\leq 1\text{ms}$

@ 0-90% current loading



## Independent Modules

Flexible, stable, easy maintenance



## $\pm 0.02\% \text{F.S.}$

High accuracy with four current ranges



## 1ms

Fast data logging



## Fast Charge

Support multi-channel parallel connection



## Roadmap testing

With resolution of 10ms



Cycle life testing



Capacity testing



SOC testing



DCIR



Pulse testing



Roadmap simulation

### B2000-EC Series

Function parameters		Version	Normal	Pro
Voltage range	Charge: 0-6V/ Discharge: 0.5-6V		•	•
Power/ Current/ Channel	9.6kW/100A/16CH		•	-
	9.6kW/200A/8CH		•	•
	19.2kW/200A/16CH		•	•
	14.4kW/300A/8CH		•	•
	28.8kW/300A/16CH		•	•
	12kW/500A/4CH		•	•
	24kW/500A/8CH		•	•
	14.4kW/600A/4CH		•	•
	28.8kW/600A/8CH		•	•
Output parameters	Voltage accuracy		±0.05%F.S.	±0.02%F.S.
	Current accuracy		±0.05%F.S.	±0.02%F.S.
	Power accuracy		±0.1%F.S.	±0.05%F.S.
	Current response		≤2ms (0% ~ 90%)	≤1ms (0% ~ 90%)
	Current switching		≤4ms (-90% ~ +90%)	≤2ms (-90% ~ +90%)
	Min. working condition interval		20ms	10ms
	Data logging time		10ms	1ms
	Max. efficiency		80%	
	Display resolution		0.1mV/0.1mA	
	Setting resolution		1mV/1mA	
	Multi-channel parallel connection		Yes	
Input parameters	Grid voltage		380V±15%	
	Grid frequency		50Hz±5Hz	
General parameters	Noise		< 70dB	
	Ambient temperature		-10 ~ 40°C	
	External communication interfaces		LAN	
	Other interfaces		Voltage compensation/ temperature sampling	
	Dimensions/Weight		See product portfolio for details	

Traction battery cell

Energy storage battery cell

R&D

Testing institutes