

## Product Datasheet - Technical Specifications



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# 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.



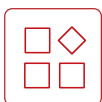
## Current response $\leq 1\text{ms}$

@ 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



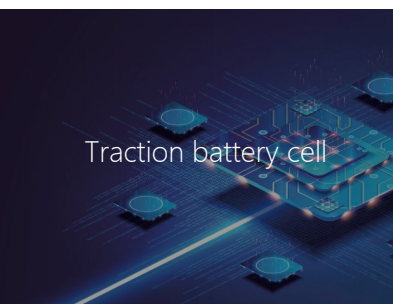
Pulse testing



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	

Note: • come with standard equipment - none



Traction battery cell



Energy storage battery cell



R&D



Testing institutes