

PCBA-16~36S

100A/200A/300A

RePower 瑞能



Power Battery Protection Board Test System

Application

Applied to the test of power battery pack protection board systems, capable of completing overall PCBA performance testing and various technical indicator verification, with complete test report generation.

Test Functions



Balancing Function Test



BMS Communication Detection



Static Current Measurement



Protection Delay Time Measurement



OCP / Charge-Discharge Protection Current Test



On-Resistance Test



Current Limiting Test



Temperature Protection Test

Advantages & Features



Composed of independent virtual battery modules; short-circuit proof output for safer and more flexible operation.



Software supports production verification & R&D test modes, with script editing and secondary development.



Supports multi-channel simultaneous independent testing to improve efficiency and capacity.



Plug-and-play virtual battery modules for free replacement and expansion, supporting 4–36S lithium battery pack protection board solutions.



Supports manual / one-click auto start, including key, barcode and PLC trigger.

| Specification | | | |
|--|------------------|---|-----------|
| Simulated Battery | Voltage Range | Range | 0.1-5V |
| | | Resolution | 0.1mV |
| | | Voltage Accuracy | ±0.01%F.S |
| | Current Range 1 | Range | 0~1A/3A |
| | | Resolution | 0.1mA |
| | | Accuracy | ±0.02%F.S |
| | Current Range 2 | Range | 0~5mA |
| | | Resolution | 0.1uA |
| | | Accuracy | ±0.02%F.S |
| High-Precision Constant Current Source | Current Range | 0~100A/300A... (Higher Current Customizable) | |
| | Current Accuracy | ±0.05%F.S | |
| | Resolution | 1mA | |
| Communication Unit | | CAN Communication / RS485 / RS232 / One-Wire / I ² C / SMBus | |

Note: Specifications are subject to the corresponding technical datasheet.

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