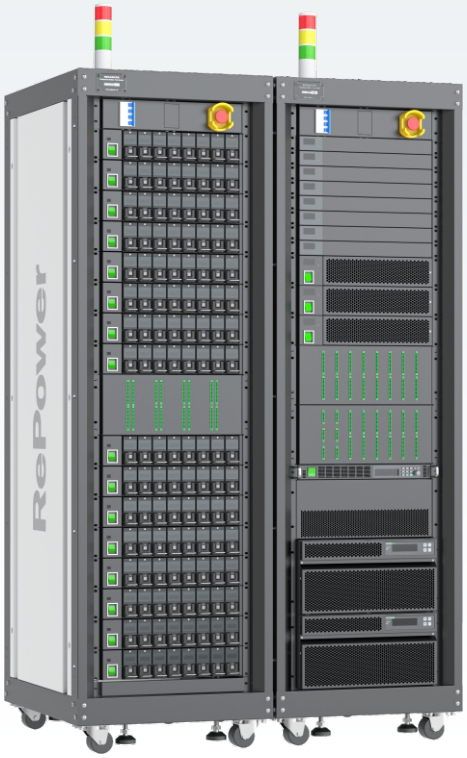
# BMS-6V

3A/5A/10A-24S~480S-200A~1000A

RePower 瑞能




# BMS Test System for Power Battery

## Application

Applied to parameter calibration, verification and testing during R&D and production of BMS for electric vehicles and energy storage stations, with complete test report generation.

## Test Functionality

- Power Consumption Test
- Active/Passive Balancing Test
- BMS Acquisition Accuracy Test
- Fault Simulation & Detection
- Switch Signal Simulation & Test
- Insulation Resistance Test
- GB Charging Signal Simulation
- SOX Test

## Advantages and Features

- Ethernet communication for high speed and stability.
- Source-load integrated simulated battery supports charge/discharge and active/passive balancing detection.
- Multi-range, multi-gear, high-precision output for BMS calibration and accuracy verification.
- Compliant with GB/T 34131-2023, GB/T 38661-2020 and other national standards.
- Supports secondary development and customizable test items.
- Modular design for easy expansion, upgrade and maintenance.
- Supports RS232, One-Wire, RS485, CAN Communication, CAN FD, Ethernet and more protocols.

| Product Parameters | | | | |
|---|---|---|---|---|
| **Simulated Battery** | | | | |
| Voltage Range | | 0.1~6V | | |
| Voltage Resolution | | 0.01mV | | |
| Voltage Accuracy | | ±0.01%F.S | | |
| Current Range1 | Range | ±3A/±5A/±10A | | |
| | Resolution | 0.01mA | | |
| | Accuracy | ±0.01%F.S | | |
| Current Range2 | Range | 0~200mA | | |
| | Resolution | 0.01mA | | |
| | Accuracy | ±0.01%F.S | | |
| Current Range3 | Range | 0~2mA | | |
| | Resolution | 0.01uA | | |
| | Accuracy | ±0.01%F.S | | |
| **DC High-Voltage Power Supply** | | | | |
| Voltage Range | | 0~2000V | | |
| Resolution | | 100mV | | |
| Voltage Accuracy | | ±0.1%F.S | | |
| Current Range | | 0~900mA | | |
| **High-Precision Constant Current Source** | | | **Programmable Resistor Unit** | |
| Current Range | | ±200A~±1000A | Resistance Range | 10Ω~12MΩ |
| Current Accuracy | | ±0.05% F.S | Resistance Resolution | 1Ω |
| Resolution | | 1mA | Resistance Accuracy | ±0.15% ± 1Ω |

Note: Specifications are subject to the corresponding technical datasheet.

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Version number: RP-MKT-202603