



Modeling, Diagnosis and Protection for Li-Ion Battery Energy Storage System—2nd Edition

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Message from the Guest Editors

Dear Colleagues,

Topics of interest for publication include, but are not limited to:

- Accurate modeling and fast simulation of Li-ion battery systems;
- Application of digital twin for lithium-ion battery systems;
- The estimation of battery states, such as SOC, SOH, SOF, SOP, and temperature;
- Fast charging and charging optimization methods;
- Battery thermal management;
- Design and application of battery virtualization equipment;
- Reliability optimization techniques for lithium-ion battery systems;
- State parameter prognosis and fault diagnosis of lithium-ion battery systems;
- Thermal runaway and thermal failure mechanism;
- Safety protection technology of lithium-ion battery pack;
- Battery management system (BMS) optimization design technology.

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Guest Editors





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Message from the Editor-in-Chief

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