

Special Issue

Battery Energy Storage for Operational Management of Electrical Networks and Micro-Grids

Message from the Guest Editors

The main topics of interest for this Special Issue include, but are not limited to:

- Evolution of battery technologies for grid applications
- Models of battery energy storage systems
- Battery self-discharge models
- Efficiency of battery energy storage systems for grid applications
- Economics of battery system applications to smart grids
- Comparisons among different battery technologies for grid applications
- Applications of batteries in distribution system operation
- Provision of grid services through battery storage
- Optimal operation of batteries in micro-grids
- Enhancement of self-consumption and self-sufficiency with renewable energy sources and batteries
- Applications of battery energy storage in multi-energy communities
- Application of batteries in temporary micro-grids

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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