

Special Issue

Advancements in Battery Energy Storage Systems Technical and Economic Modelling for Planning and Operation

Message from the Guest Editors

The year of 2023 has seen 510 GW of new RES capacity, recording both the largest addition ever and the largest year-on-year increase (+170 GW), IEA reports. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Planning and sizing models for BESS.
- Operational model for BESS providing ancillary services and/or RES integration.
- Technical BESS models for reliability assessment in ancillary services provision.
- Revenue stacking optimization.
- Economic appraisal of BESS investment.
- Development of BESS models for performance estimation of grid-connected BESS.
- Calendar and cycle aging models for grid-connected BESS.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (28 October 2024)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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