

Special Issue

Advances in Hybrid Solar PV and Battery Power Systems: Technology Review and Sustainable Future

Message from the Guest Editors

As renewable innovation keeps moving forward, emerging technologies, e.g., AI algorithms, IoT, and new battery materials, have also driven innovations in PV and ESS hybrid systems. This Special Issue on “Advances in Hybrid Solar Photovoltaics (PV) and Energy Storage Systems (ESS): Technology Review and Sustainable Future” seeks high-quality works focusing on the latest novel advances in such technologies.

Topics include, but are not limited to:

- AI-driven EMS methods for PV and ESS systems.
- New power electronics topologies for hybrid PV and ESS systems.
- Novel control methods for hybrid PV and ESS systems amid utility challenges.
- New battery technologies for PV systems.
- PV DER and microgrid integration and applications.
- Multiple DER optimizations including PV, ESS and EV.
- New protection and fault-detection methods in PV systems.

The scope extends to all residential, C&I, and utility-scale systems.

Guest Editors

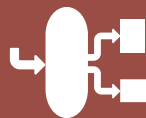
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Deadline for manuscript submissions

closed (10 January 2025)



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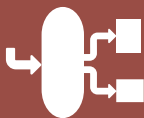


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