

Special Issue

Power Electronics in Renewable, Storage and Charging Systems

Message from the Guest Editors

This Special Issue will focus on recent advancements in inductor design for WBG devices, emphasizing the key challenges and opportunities in this field. It will highlight the integration of inductors with WBG-based power converters for various applications, including electric vehicles (EVs), renewable energy systems, switching-mode power supplies (SMPSs) for medical devices, and energy storage. By bridging the gap between WBG semiconductor technology and passive component design, this Special Issue aims to promote the development of more compact, efficient, and reliable power electronics systems.

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Deadline for manuscript submissions

25 August 2025



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



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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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