



Applications of High-Efficiency Converters

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Message from the Guest Editors

In this Special Issue of *Energies*, authors are invited to contribute their knowledge on novel converter designs that demonstrate the aforementioned properties on known applications or known converter designs that present such properties on new applications or a combination of both. In their works, efficiency can be expressed in terms of conversion losses, but also in terms of controllability and services towards a smarter energy grid. Reviews of the state of the art of high-efficiency converters are also welcome, as long as they clearly demonstrate its applicability in specified research and development areas of smart grids.

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

- interface renewable or conventional micro-sources to the grid;
- are used by critical, non-critical, or elastic demands;
- possess increased controllability;
- provide auxiliary services to the grid (e.g., voltage support);
- provide auxiliary services to the consumers/producers of energy (e.g., power quality);
- promote grid support algorithms during faults and other disturbances.





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Message from the Editor-in-Chief

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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