Special Issue

DC/DC Converters Optimized for Energy Storage in Smart Grids

Message from the Guest Editors

During the last decade, smart grids have improved security defense capabilities, flexibility, and compatibility through intelligent means in order to strengthen the development, transmission, and consumption of clean energy, as well as to counter the increasingly frequent natural disasters and external interference. Energy storage technology is a crucial component of this process. This Special Issue aims to enhance energy storage utilization in and the fault-crossing capability of smart grids by optimizing DC/DC converters, which are important components of energy storage technology. The topics of interest for publication include, but are not limited to:

- the optimization of topologie;
- the control and fault-crossing capability of DC/DC converters;
- the modeling, analysis, and design of DC/DC converters for energy storage in smart grids;
- control optimization.

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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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