



Uninterruptible Power Supplies (UPS)

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Message from the Guest Editors

Dear Colleagues,

Uninterruptible power supply (UPS) systems are vital equipment to reliably feed sensitive and critical loads such as data centers, communication networks, and IT servers. Although conventional UPS systems, including on-line, off-line, and line-interactive UPSs, are currently in use in the industry, more development is still needed to reduce cost/volume and enhance efficiency and reliability.

Prospective authors are invited to submit original contributions or survey papers for publication in *Sustainability*. Topics of interest for this Special Issue include but are not limited to the following topics in the field of UPS:

- Architecture and hardware design;
- New power electronics topologies;
- Design for reliability and robustness;
- Advanced and fault-tolerant control strategies;
- Multi-layer (hierarchical) control schemes;
- Lifetime modeling, condition monitoring, and failure prediction;
- Integration of renewable energy resources;
- Innovative (hybrid) energy storage devices;
- Energy and battery management systems...

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