

Active front-end DC grid-forming converter design with power balancing capability

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Active redundancy in isolated DC-DC converters: A modular solution for fault tolerance

Shirodkar, Aditya; Banavath, Satish Naik; Yadav, Neelesh; Chub, Andrii; Mandrioli, Riccardo 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 5 p <https://doi.org/10.1109/CPE-POWERENG63314.2025.11027280>

Adaptive chaotic class topper optimization to solve Non-convex CHPED problems in power systems

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An adaptive class topper optimization for scheduling thermal generation with cubic fuel cost function

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Analysis of a reconfigurable non-isolated DC-DC converter for DC microgrid applications

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Capacitive vs Inductive Coupling Based DC-DC Converter Operating in MHz Switching Frequency Range

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Utilizing the fuzzy logic algorithm for cartesian robot control system in conditions of mechanical damage transmission

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