

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

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Active redundancy in fault tolerance : A modular switch level solution with synchronous switching

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

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Application and control of bidirectional T-type converter in hybrid bipolar AC/DC microgrid

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Conducted EMI emission evaluation considerations for test site and in-situ evaluation of DC microgrid supplied power converters

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Configurable solid state protection devices for residential DC microgrids

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Control of multiport partial power converters for PV-battery systems integration in DC microgrids

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Cycle-skipping technique based on sigma-delta modulation in series resonant DC transformer

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Energy management implementation approach for droop-controlled residential DC nanogrids

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Feasibility Study of Snow Removal from PV Module Using Universal Power Electronic Interface

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MPC based power management for off-grid photovoltaic hybrid inverters using Li-ion batteries and supercapacitors

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Multi-step ahead short-term residential DC load forecasting : A comparative study of NGBoost-based algorithms

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Novel concept of universal AC/DC-DC onboard battery charger for electric vehicles

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Novel dual-purpose cost-effective forward-based micro-converter

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Performance analysis of partial power converter in DC microgrid with active front-end converter

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Remote data transfer and comparative performance through PyBaMM and mathematical techniques in battery applications

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A topology morphing partial power converter with variable turns ratio for integration of on-board battery chargers with DC buildings

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Universal interlinking converter for prosumer DC buildings : Operation with different DC grid types

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Wide voltage gain current-fed isolated buck-boost series-resonant DC-DC converter with active clamp for DC microgrid applications

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