

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

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Analysis of design requirements and optimization possibilities of partial power converter for photovoltaic string applications in DC microgrids

Chub, Andrii; Hassanpour, Naser; Yadav, Neelesh; Jalakas, Tanel; Blinov, Andrei; Vinnikov, Dmitri IEEE Access 2024 / p. 14605-14619 <https://doi.org/10.1109/ACCESS.2024.3354375>

High-efficiency partial power converter for integration of second-life battery energy storage systems in DC microgrids

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A hybrid modulation approach for step-up/ down partial power converter with improved MPPT efficiency around zero partiality

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Improved maximum power point tracking algorithm for step-up/down partial power converters operating around zero partiality

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Multiport current fed push/pull partial power converter for battery integration in DC microgrid

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Performance evaluation of step-up /down partial power converters based on current-fed DC-DC topologies

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Performance evaluation of step-up/down partial power converters based on current-fed DC-DC topologies

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Protection and control implementation for bidirectional step-up/down partial power converter for droop-controlled DC microgrids

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