

Analysis of black start strategies for microgrids with renewable distributed generation

Armstorfer, Andreas; Biechl, Helmuth; **Rosin, Argo** IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 2121–2125 : ill <https://doi.org/10.1109/IECON.2019.8926631> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Efficiency study of the single-phase solar qZS-based inverter

Husev, Oleksandr; **Stepenko, Serhii;** **Vinnikov, Dmitri;** Roncero, Carlos; Santasheva, Elena; Romero-Cadaval, Enrique IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 4399–4404 <https://doi.org/10.1109/IECON.2019.8926655> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Grid-connected single-phase 3L-T-type qZS inverter for renewable energy

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Impact of load matching algorithms on the battery capacity with different household occupancies

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Indirect model predictive control for inverter connected to distorted grid with significant computation delay

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Reliability study of input side capacitors in impedance-source PV microconverters

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Soft-switching modulation method for full-bridge DC-AC HF-link inverter

Blinov, Andrei; **Korkh, Oleksandr;** **Vinnikov, Dmitri;** Galkin, Ilja; Norrga, Staffan IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 4417–4422 : ill <https://doi.org/10.1109/IECON.2019.8927186> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Zero-current switching impedance-source DC-DC converter

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Thermal analysis of totally enclosed fan cooled synchronous reluctance motor-state of art

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Three-mode reconfigurable rectifier for DC-DC converters with wide input voltage range

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