

Back-to-back energy router based on common-ground inverters

Azizi, Mohammadreza; **Rahimpour, Saeed**; **Husev, Oleksandr**; **Veligorskyi, Oleksandr** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / p. 1-6 <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227480>

Common-ground energy router structure with enhanced reliability and protection = Ühise nulljuhtmega suurendatud töökindluse ja kaitsega energiaruuter

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Comparative evaluation of common-ground converters for dual-purpose application

Hemmati Shahsavari, Tala; **Rahimpour, Saeed**; **Vosoughi Kurdkandi, Naser**; Fesenko, Artem; **Matiushkin, Oleksandr**; **Husev, Oleksandr**; **Vinnikov, Dmitri** Energies 2023 / art. 2977 <https://doi.org/10.3390/en16072977> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and analysis of a DC solid-state circuit breaker for energy router application : [conference paper]

Rahimpour, Saeed 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 63-64 : ill https://www.ester.ee/record=b5504019*est

Design and analysis of a DC solid-state circuit breaker for residential energy router application

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A family of bidirectional solid-state circuit breakers with increased safety in DC microgrids

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Fault management techniques to enhance the reliability of power electronic converters : an overview

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Grounding and isolation requirements in DC microgrids: overview and critical analysis

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Model predictive control of a single-stage flying inductor based buck-boost grid-connected common-ground inverter

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A novel and high-gain switched-capacitor and switched-inductor-based DC/DC boost converter with low input current ripple and mitigated voltage stresses

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A novel flying inductor based grid-connected inverter with buck-boost ability

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An overview of lifetime management of power electronic converters

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An overview of reliability enhancing methods for energy router for residential application

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Towards smarter maritime security : Apriori algorithm optimization in serverless environments

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