

Air-core coupled inductor based modular solid-state circuit breaker with reduced components for DC buildings

Pogulaguntla, Aditya; Dsa, Daniel; Yagna, Griddaluru Venkata; Banavath, Satish Naik; **Carvalho da Silva, Edivan Laercio; Chub, Andrii; Vinnikov, Dmitri** IEEE journal of emerging and selected topics in power electronics 2024 / 12 p
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Bidirectional solid-state DC circuit breaker for the protection of residential and Commercial DC buildings

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Controlled bidirectional DC circuit breaker with zero negative current for high load shift applications

Raghavendra I, Venkata; Naik, Satish B.; Sreekanth, Thamballa; **Chub, Andrii** IEEE transactions on industry applications 2022 / p. 6942-6951 <https://doi.org/10.1109/TIA.2022.3193345> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Short-circuit protection circuits for silicon-carbide power transistors

Sadik, Diane-Perle; Colmenares, Juan; Tolstoy, Georg; **Rabkowski, Jacek** IEEE transactions on industrial electronics 2016 / p. 1995-2004 : ill <https://doi.org/10.1109/TIE.2015.2506628>