

**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 SSCB for residential DC microgrids with reduced voltage and current stress during fault interruption**

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**Grid integration of DC buildings : standards, requirements and power converter topologies**

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