

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

Pogulaguntla, Aditya; Dsa, Daniel; Yagna, Griddalur Venkata; Banavath, Satish Naik; **Carvalho da Silva, Edivan Laercio; Chub, Andrii; Vinnikov, Dmitri** IEEE journal of emerging and selected topics in power electronics 2025 / p. 2988-2999  
<https://doi.org/10.1109/JESTPE.2024.3485735>

**A coupled inductor-based SSCB with reduced components for DC microgrid protection**

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**Implementation of protection features for a modular bidirectional solid-state battery disconnecter**

Dsa, Daniel; Chinnusamy, Abhinav; Banavath, Satish Naik; **Carvalho da Silva, Edivan Laercio** IEEE journal of emerging and selected topics in power electronics 2024 <https://doi.org/10.1109/JESTPE.2024.3502157>