

Comparative study of possible implementations of the flexible power electronic interface for wide-range high step-up applications in DC microgrid

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FCB-MPC-based cycle skipping control for soft-switched isolated AC-DC converter with reduced inductors in PFC stage

Mohseni, Parham; Husev, Oleksandr; **Vinnikov, Dmitri;** Kasper, Matthias; **Deboy, Gerald;** Kurdkandi, Naser Vosoughi 2025 IECON – 51st Annual Conference of the IEEE Industrial Electronics Society 2025 / 6 p <http://doi.org/10.1109/IECON58223.2025.11221499>

Novel concept of universal AC/DC-DC onboard battery charger for electric vehicles

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Reliability evaluation of the universal power electronic interface converter for PV applications

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Wide voltage gain current-fed isolated buck-boost series-resonant DC-DC converter with active clamp for DC microgrid applications

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