

Active front end converters with voltage balancing capability

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Closed-loop control system design for wireless charging of low-voltage EV batteries with time-delay constraints

Shevchenko, Viktor; Pakhaliuk, Bohdan; Zakis, Janis; Veligorskyi, Oleksandr; Luszcz, Jaroslaw; **Husev, Oleksandr**; Lytvin, Oksana; **Matiushkin, Oleksandr** Energies 2021 / art. 3934, 21 p. : ill <https://doi.org/10.3390/en14133934> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Considerations on combining unfolding inverters with partial power regulators in battery–grid interface converters

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Design and evaluation of a base module of active power electronic transformer

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Exterior-rotor permanent magnet synchronous machine with toroidal windings for unmanned aerial vehicles

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Feasibility study GaN transistors application in the novel split-coils inductive power transfer system with T-Type inverter

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