

Application of boundary conduction mode control in galvanically isolated buck-boost converter

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Dual-Mode magnetically integrated photovoltaic microconverter with adaptive mode change and global maximum power point tracking

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An embedded half-bridge Γ -Z-source inverter with reduced voltage stress on capacitors

Mashinchi Maheri, Hamed; Vinnikov, Dmitri; Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; Chub, Andrii Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Half-bridge trans-Z-source inverter with high boost factor

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High-performance buck-boost partial power quasi-Z-source series resonance converter

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Impact of transformer turns ratio on the power losses and efficiency of the wide range isolated buck-boost converter for photovoltaic applications

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Impedance network-based diode-clamped multilevel inverter voltage balancing with cascaded voltage multiplier

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Light-load efficiency improvement of galvanically isolated quasi-Z-source DC-DC converter for photovoltaic applications

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A new high step-up NPC-based switched-capacitor seven-level grid-tied inverter for PV applications

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A new high step-up switched-capacitor/inductor based DC-DC converter

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New single-switch input current ripple free boost DC-DC converter

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A new transformer-less single switch boost DC-DC converter with lower stress

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A novel extendable high gain step up DC-DC converter

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Power loss model and efficiency analysis of the quasi-Z-Source isolated buck-boost converter with wide input voltage and load range

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A single-phase high-frequency isolated quasi-Z-source AC-AC converter without commutation problem and step-change frequency operation

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Topology morphing control of low-cost PV microconverters

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