

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

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Modified high voltage gain soft-switched quasi-switched boost inverter

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A new coupled-inductor-based buck/boost DC/DC converter with soft switching for DC microgrid applications

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A new flying capacitor-based buck-boost converter for dual-purpose applications

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

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