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Nov 15, 2019 · This paper presents a single power-conversion dual-active-bridge (DAB) microinverter with safe commutation and high efficiency for PV power applications. In DAB ...

Feb 7, 2023 · To solve these problems, this paper proposes a three-stage topology structure of high-frequency isolation type of dual-PWM variable frequency speed regulation based on three ...

Oct 29, 2025 · Isolated Bidirectional DC-DC Converter (reference design: RD167) This reference design is an isolated bi-directional DC-DC converter that uses the dual active bridge (DAB) ...

Sep 13, 2022 · A current-source single-stage multi-input high-frequency-link grid-connected inverter and a three-mode one-cycle control strategy are proposed and deeply investigated in ...

The evolution of high-frequency switches has facilitated the design of high-frequency inverters, the key element of induction heating technology. Controlling output power in a high-frequency ...

Oct 6, 2025 · Finding a reliable power inverter that efficiently converts DC power into AC power is essential for RVs, trucks, solar systems, and emergency backup needs. This article reviews ...

Oct 23, 2024 · To tackle these challenges, this paper presents a three-stage topology for high-frequency isolated frequency conversion and speed regulation, utilizing three-phase ...

Nov 3, 2024 · The topology is based on a high-frequency inverter, a high-frequency transformer and an AC/AC converter. No additional DC-link stages are required, providing a reduction of ...

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