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Title: Zvt single phase inverter

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In this paper, a novel topology is proposed where zero voltage transition (ZVT) soft switching technique is integrated with Type-I common ground single phase transformer-less ...

Abstract: This paper explores performance enhancement of the common ground dynamic dc-link (CGDL) inverter for single phase photovoltaic (PV) applications by a combination of gallium ...

This article presents a wide-range zero-voltage-transition high-frequency single-phase inverter. The proposed inverter consists of a full-bridge inverter and two auxiliary ...

To overcome some drawbacks of the aforementioned ZVT techniques, this paper proposes an inductor feedback ZVT circuit implementation that allows unipolar PWM or hybrid PWM ...

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A 1 kW inverter of the proposed topology in standalone mode (both discrete and coupled inductor configurations) operating at 400 kHz switching frequency has been built to verify the proposed ...

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