

Title: Three-phase buck inverter

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This paper presents a three-phase differential-mode buck-boost inverter based on two bi-directional Buck-Boost DC/DC converters and one Differential Power Processor (DPP) ...

Driven by the needs of the continuously growing fuel-cell industry, a promising three-phase inverter topology, the Y-inverter, is proposed, which comprises three

Based on comprehensive circuit simulations and analytical calculations, a detailed explanation of the developed modulation and control schemes in different operating conditions is provided, ...

Abstract- This article proposes a new single-stage three-phase buck-boost inverter and control scheme, which remarkably reduces both the low and high-frequency ripple components in the ...

This paper introduces a new inverter circuit that combines the buck DC-DC converter with the traditional 3-phase 2-level inverter to address switching losses on the inverter side.

This short paper complements a keynote presentation and briefly describes new three-phase buck-boost PWM inverter topologies with sinusoidal output voltages currently under research ...

This article proposes a new single-stage three-phase buck-boost inverter and control scheme, which remarkably reduces both the low and high-frequency ripple ...

Based on the concept of modular three-phase inverters, a three-phase boost-buck dc/ac inverter (BBI) topology is presented in this paper and validated on a 10 kW prototype based on SiC ...

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