

Title: Pulsating DC to Inverter

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Single-phase inverters supplying AC loads, when connected to the same DC bus, introduce double-frequency power oscillations. This paper proposes a method to minimize DC ...

es a switching scheme to improve the energy efficiency for an isolated high-frequency multiphase dc/pulsating-dc converter, which is the front end of a three-phase rectifier-type high-frequency.

Obtained results indicate that operation with deep unbalances and powers of opposite signs in individual phases leads to current oscillations in the DC link. This ...

In five-phase systems, dc-link capacitor plays a critical role, which absorbs the dc-link current ripple generated by the inverter. Consequently, the pulsating current flowing from ...

This application report documents the concept reference design for the DC-DC Stage and the DC-AC Converter section that can be used in the High-Frequency Inverter using TMS320F28069, ...

Proposed inverter and modulation are suitable for electric, hybrid electric, and fuel cell vehicles. The absence of the dc link capacitor and DTPM produce pulsating dc voltage ...

Novel Single-reference-Six-Pulse Modulation (SRSPM) eliminates the dc-link electrolytic capacitor allowing pulsating dc-link ...

This paper proposes a current-fed single-phase inverter without constant intermediate DC link. It eliminates electrolytic capacitor from the DC-link and introduces an intermediate pulsating DC ...

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