
The current transformation capacity and adaptability for malfunction of LLC resonant inverter are discussed by analyzing its structure and properties.

With all the design and optimization considerations, a MHz LLC converter based isolated inverter is designed and a hybrid modulation method is proposed, which includes full ...

This paper presents a novel single-stage inverter based on multi-resonant LLC converter along with its design optimization. A single-stage dc-ac inverter reduce.

The multi-resonant LLC converter has several desirable features, such as high efficiency, low EMI, and high power density. Design of a resonant converter is a challenging task and ...

"A single-staged PV array-based high-frequency link inverter design with grid connection." In Twenty-First Annual IEEE Applied Power Electronics Conference and Exposition, 2006.

This paper proposes a single-stage direct AC to high-frequency (HF) AC resonant converter based on LLC configuration for induction heating (IH) systems or HF applications.

This study proposes an efficiency-oriented control approach for an LLC resonant converter-based high-frequency-link grid-connected inverter. The proposed topology has two ...

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The high frequency galvanic isolation provides high power density, light weight converter solution. The transformer is used for voltage matching, to reduce leakage current and to ensure safety.

Abstract--In this article, a new topology for a grid-connected solar photovoltaic inverter for the direct connection to the medium-voltage grid is proposed. This topology employs an LLC ...

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