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Title: Three-phase four-bridge-arm inverter using sapwm

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In this article, a carrier based pulse width modulation (CBPWM) algorithm with zero-sequence component injected based on conventional SVPWM is proposed for a three level ...

Therefore, in this paper, based on the combination of the model predictive current control strategy and three-phase four-bridge grid inverter mathematical model, a kind of easy to be realized ...

Control method of Three-phase Four-leg converter based on repetitive control To cite this article: Wang Hui 2018 IOP Conf. Ser.: Mater. Sci. Eng. 339 012005 View the article online for ...

Date Added to IEEE Xplore: 29 March 2023 ISBN Information: Electronic ISBN: 978-1-6654-7208-1 USB ISBN: 978-1-6654-7207-4 Print on Demand (PoD) ISBN: 978-1-6654-7209-8 INSPEC ...

This paper focuses on the analysis and enhancement of the SPWM modulation strategy for three-phase inverters, with the goal of augmenting their operational efficiency and ...

In this paper, a carrier-based modulation algorithm is proposed for the traditional three-dimensional space vector modulation algorithm with the disadvantages of complicated ...

Based on the three-phase three-leg converter, three-phase four-leg PWM grid-connected converter can be obtained by increasing one bridge. The cycle by cycle switch ...

This paper presents a Z-source three-phase four-bridge arm inverter which combines a Z-source network with three-phase four-leg inverter. The circuit uses simple SPWM modulation technique.

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A convertor is controlled by means of an improved three-dimensional space vector modulation method, and volt-second balance and power conversion of a transformer are realized.

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