
A. DPWM based single-phase GCI After combined with abc-dq coordinate transformation as well as well-configured PI regulation, a simulation platform of the presented DPWM based single ...

An improved voltage balancing discontinuous PWM (DPWM) scheme is suggested in this work for the single-phase grid-tied 5-level neutral point clamped (NPC) inverter, which ...

Therefore, based on the three-phase Si/SiC 3L-HANPC inverter, two DPWM schemes, peak clamped DPWM and zero-crossing clamped DPWM, are compared with ...

Abstract : This paper presents analytical techniques for the determination of the expressions for the modulation signals used in the carrier-based non-sinusoidal and generalized discontinuous ...

The results of the developed algorithms of a three phase five-level CHB inverter feeding asynchronous motor are illustrated in Figure 9 to Figure 12 for SVPWM and Figure 13 to ...

Slash inverter losses and prevent overheating. This guide reveals how PWM modulation techniques like SVPWM and DPWM boost efficiency and improve thermal ...

This article introduces the Discontinuous PWM method and provides a ready-to-use block implementing the most popular DPWM methods.

This article proposes an optimized discontinuous pulsewidth modulation (O-DPWM) method to reduce leakage current in three-phase three-level inverters under various ...

In this paper, a new discontinuous pulse width modulation (DPWM) scheme is proposed to achieve optimal control of PV inverters along with MPPT in a boost DC/DC ...

In this paper, the DPWM3 algorithm of NPC type three-level inverter is researched in detail from the judgment of the sector where the reference vector is located, the calculation ...

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