

Sep 18, 2024 · Abstract The voltage reinjection strategy is an effective solution to improve the voltage quality of the voltage source inverters for ...

Apr 12, 2010 · This paper describes a concept and a physical demonstration of a high-efficiency small-size low-cost 100-kV 100-kW high-voltage (HV) power supply (HVPS) designed for long ...

Jun 17, 2024 · The first being the conversion of the low voltage DC power to a high voltage DC source and consequently converting the high voltage DC source to an AC wave form using ...

Nov 1, 2020 · High-voltage (HV) pulses are widely used in many applications. This study proposes a new HV unipolar pulse generator based on Single ...

Apr 1, 2023 · The first step is the conversion of the low voltage DC power to a high voltage DC source, and the second step is the conversion of the high DC source to an AC waveform using ...

The INV10G Pulse Inverter provides precise 180° phase inversion across 200 Hz - 10 GHz, ensuring low-noise, high-fidelity signal processing. Designed for EMC, RF, and high-voltage ...

Mar 12, 2021 · Kaufhold M., Failure mechanism of the interturn insulation of low voltage electric machines fed by pulse controlled inverters, Proceedings of 1995 Conference on Electrical ...

Sep 18, 2024 · Abstract The voltage reinjection strategy is an effective solution to improve the voltage quality of the voltage source inverters for high-power applications. In this article, the ...

Jul 8, 2021 · Pulse power supply is an important field of high-frequency power electronics. In advanced applications, such as ultrasonic sensors, Lidar waves, and laser generators, the ...

Oct 27, 2025 · Abstract-- This paper presents the synchronous optimal pulse width modulation (SOP) for control of medium-voltage induction motor drives using dual inverters at low ...

Jan 14, 2025 · This article explores the potential of carrier-based pulse width modulation techniques such as sawtooth, triangular, and sinusoidal, and ...

Apr 28, 2017 · Bipolar repetitive high-voltage pulse generators are commonly used in modern pulsed power applications. Conventionally, bipolar high ...

Apr 7, 2021 · Pulse width inverter is a type of inverter that works at the PWM techniques so its called pulse width modulation inverter. These modules ...

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