

Inverter and pulse high voltage module





Overview

What is a high voltage pulse generator?

CLASSIC HIGH VOLTAGE PULSE GENERATOR The fundamental operation of pulse generators involves storing energy in capacitors or inductors, and subsequently discharging them in series to generate the desired high-voltage pulse.

Is a bipolar pulse generator based on a split-source neutral-point clamped (NPC) inverter?

This article presents a novel high-voltage bipolar pulse generator based on a split-source neutral-point clamped (NPC) inverter. The proposed pulse generator provides operation with low input dc voltage while generating output pulses with a high voltage gain.

What are the characteristics of a high-voltage pulse generator?

processing, and others, , . In these cases, the pulses are characterized by high repetition frequency, compactness, and reliability. These applications often require high-voltage pulse generators that can operate at high frequency while maintaining a small footprint and ensuring reliable performance.

What is a high Volt-Age nanosecond pulse generator based on?

Z. Deng, Q. Yuan, S. Shen, J. Yan, Y. Wang, and W. Ding, "High voltage nanosecond pulse generator based on avalanche transistor Marx bank circuit and linear transformer driver," *Rev. Sci. Instrum.*, vol. 92, no. 3, Mar. 2021, Art. no. 034715.



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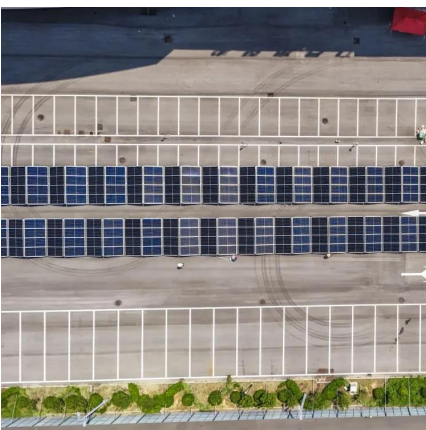
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