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Title: Plasma high voltage inverter

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By combining the multilevel output capabilities of a three-level inverter with the high-frequency and high-voltage properties of SiC, the system enables efficient plasma ...

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Abstract--This paper presents a high-voltage high-frequency inverter for atmosphere plasma applications. The proposed system is consisted of a PFC rectifier, a voltage-source full-bridge...

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This paper presents a discrete power control of a high-frequency power inverter system for plasma generation. Plasma generation requires a high-frequency dc-ac inverter to rapidly ...

The proposed circuit has a two-stage structure comprising a single-phase power factor correction (PFC) boost converter and a high-frequency inverter with a parallel resonant circuit.

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