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Title: High voltage plasma inverter

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Abstract The generation of plasma by DBD has the advantages of low environmental requirements, simple operation, wide industrial applications, and the ability to ...

Spellman's High Voltage Power Supply Catalog features a complete listing of all standard Modules, X-Ray Sources, Rack, X-Ray Generator and Application Specific Products.

In this research, a high-frequency high-voltage power supply designed for plasma generator is presented. The power supply mainly consists of a series resonant converter with a high ...

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

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This article outlines the development of an affordable high-voltage power supply designed for generating cold plasma. It generates DC voltages up to 10 kV using a flyback converter.

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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 ...

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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