

Solvix DC and pulsed-DC power supplies for metallic and reactive sputtering provide precise control and proven reliability--backed by AE's worldwide support network. Offering a wide ...

The sputtering power supply operates in a pulse mode, where the main challenge to ensure rapid ignition of each pulse and maintain a constant root-mean-square (RMS) pulse current. This ...

Jan 19, 2022 · Power electronic to achieve pulsed operation on LIBs is also an emerging area, especially for devices with high-frequency switching and high energy efficiency. Specifically, ...

Apr 2, 2020 · ny challenges have been proposed, such as fast pulse edge, low current ripple. This paper proposes a multiphase interleaved pulse power supply with energy recovery and ...

Aug 29, 2024 · Capacitors are widely used in pulsed magnet power supplies to reduce ripple voltage, store energy, and decrease power variation. In this study, DC-link capacitors in pulsed ...

Feb 1, 2021 · Using 155V DC power supply, the experimental results show that the capacitor energy storage pulse driver circuit can achieve a pulse constant current output with amplitude ...

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Feb 10, 2025 · Despite the fact the DC/Pulsed-DC magnetron or substrate bias power supplies use the same power energoelectronic platform, the application specific requirements led to ...

Dec 21, 2020 · 1Introduction For a long time, capacitors as energy storage elements have been widely used in power supplies in various systems [1]. Despite the good features of these ...

Mar 6, 2023 · AbStrACt Pulsed DC power is widely used for reactive magnetron sputtering, particularly for dielectric compounds. Its intro-duction was transformational, enabling reactive ...

Feb 28, 2024 · Currently, pulsed adders are used as pulsed voltage sources maturely. However, their use as pulsed current sources is significantly ...

Building on AE®'s premier bipolar pulsed-DC technology, Ascent® AP power supplies extend your ability to optimize output with advanced pulse ...

Dec 30, 2023 · In this paper, the performance of the energy storage device of a

high-power pulse power system is evaluated and optimized based on the minimum mode ideal point method ...

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