

Pulse constant current source inductive solar container





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A Novel Reconfigurable Inductive Power Transfer System with Pulse

Owing to the dependence on coil characteristics, loading profile, and operating frequency in inductive power transfer (IPT) systems, it is difficult to design a

The Cascade of High-Voltage Pulsed Current Sources

This paper presents a simple yet effective design for a pulsed current source, incorporating a solid-state Marx pulsed adder as the primary power source and an inductor for ...

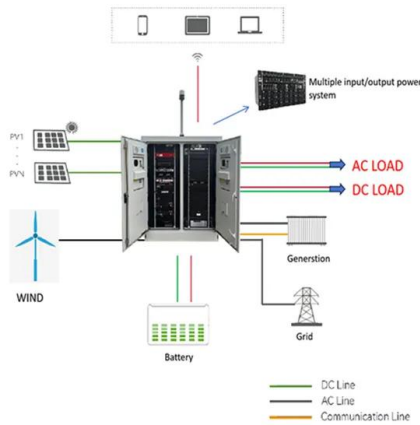


A field programmable gate array controlled high-current pulsed source

A high-current pulsed source with high charging efficiency, high stability and low current ripple is proposed for airborne transient electromagnetic method application.

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In contrast to the capacitive storage sources, it is fully controllable, allows one to adjust the amplitude, and ensures a constant current pulse shape regardless of the load parameters.



Development of 600 A repetitively pulsed constant current source

As the present of pulsed constant current source have problems of low amplitude and repetition frequency, we design a pulsed constant current source adopting integral feedback to get closed-loop ...

Design and Implementation of High Power Pulse Constant ...

The back-stage outputs a constant current pulse waveform with an amplitude of 30A, the pulse width of 250us, and the rise time of 9.6us on the load through linear adjustment of the MOS tube.



A Method to Improve the Stability of Constant Current Source

In view of the above problems, the constant current source circuit and the transfer function are analyzed, in addition, the measures to add a compensator to the inductive load and improve the phase angle ...



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