

Inductive Contactless Energy Transfer systems (ICET) are becoming commonplace in electrical and electronics equipment. Increased growth of interest in electric vehicles EV and renewable ...

The meatgrinder is a high-efficiency inductive energy storage and transfer circuit which may be used to supply high-current pulsed power requirements in applications such as ...

Inductive energy storage is attractive because it has both a high energy storage density and a fast discharge capability. By producing a pulse train with a peak power of 75 MW at a pulse ...

A new inductive energy transfer system for fusion reactor technology using superconductive coils is proposed. Transfer is achieved stepwise by a small thyristor-switched capacitor between the ...

Inductive energy storage is attractive because it has both a high energy storage density and a fast discharge capability. However, to transfer energy from a coil or inductor to a load, an opening ...

Inductive power transfer (IPT) is an innovative approach for EV battery charging owing to the possibility of wireless supply, which prevents the use of electric cables to start the charging operation.

The Meatgrinder, a novel inductive energy storage and transfer circuit, has been shown to approach 100% energy transfer efficiency. A low-current-level experiment has been performed ...

Electric vehicle (EV) inductive charging is a technology that allows an EV to charge its energy storage system remotely without physical connections. It is an exemplary solution for EV ...

Wireless power transfer (WPT), based primarily on inductive power transfer (IPT) technology, is more attractive and suitable for both stationary and dynamic charging of electric vehicles (EVs). Dynamic charging is a means ...

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