

The proliferation of AI has significantly reshaped data center infrastructure, pushing the limits of power systems to meet unprecedented demands. This rapid growth is driving power supply ...

In order to meet the industry's new power requirements, MPS has developed solutions for a more efficient power architecture, using a 48V distribution voltage that is capable of a 16x reduction in ...

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Infineon's proprietary Zero Voltage Switching Switched Capacitor Converter (ZSC) delivers the highest efficiency & power density for 48 V to an intermediate bus voltage through capacitive energy transfer ...

This guide provides an overview of best practices for energy-efficient data center design which spans the categories of information technology (IT) systems and their environmental conditions, data center ...

Related Digital, a vertically integrated data center development and investment platform, and Blackstone (NYSE: BX) announced today that financing has been secured for Related Digital's ...

With significant changes observed in the data center sector in recent years, owing to the rapid emergence of AI hardware, total data center energy use after 2023 is presented as a range to reflect ...

The U.S. Department of Energy has announced a public-private partnership with SoftBank and AEP Ohio to develop a massive artificial intelligence data center and power complex at a former uranium ...

Interactive map of US data centers with a complete list of planned, under construction, and operating facilities. Track new projects updated weekly.

Application 48V battery energy storage system is widely used in the following fields: Telecommunications industry: to ensure network stability and avoid downtime or service interruption. ...

en-frame digital DC/DC power module with continuous power up to 300W. This module accepts up to a 60V input, and is configured in a 10:1 input-to-output ratio. It offers a digital controller with multiple ...

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