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This requires a much higher voltage DC power distribution solution, where power components and battery backup are outside of the IT rack. We are excited to introduce +/-400 ...

The rapid development of AI has imposed higher requirements for computing power on data centers. To accommodate more GPUs for computing, the architecture of 400V ...

Enter the strategic partnership between Navitas Semiconductor and Great Wall Technology, which is poised to redefine power delivery in AI data centers with their next ...

By strategically deploying SiC-based components, AI data centers can optimize efficiency, power density and system reliability. The Path to Optimized Power Architecture As ...

News: Microelectronics 4 April 2025 Navitas' GaNSense ICs used in Great Wall's 2.5kW DC-DC converter for 400V power architecture Gallium nitride (GaN) power IC and silicon carbide (SiC) ...

Microsoft and Meta have been working on a new open rack design for AI data centers which separates power and compute into different cabinets. Known as Mount Diablo, ...

The rapid development of AI has imposed higher requirements for computing power on data centers. To accommodate more GPUs for computing, the architecture of 400V independent ...

To accommodate more GPUs for computing, the architecture of 400V independent cabinets will become a new development trend. Module power supplies with small size, high ...

NetSure (TM) HVT 400V HVDC power is designed to ensure the highest levels of system efficiency and reliability. This technology combines the proven benefits of 48V DC power - modularity, ...

MNS#174; Low Voltage Distribution Board and Power Cabinet Technical Info -- From the sub distribution to factory power supply, from the general industry to the marine, nuclear power ...

Google is planning for datacenter racks supporting 1 MW of IT hardware loads, plus the cooling infrastructure to cope, as AI processing continues to grow ever more energy ...

Advances in power conversion technologies and increasing use of DC-based equipment at core sites has driven 12V and 400V DC power distribution to become a safe and viable alternative ...

400V DC power is designed to ensure the highest levels of efficiency and reliability. Based on a flexible architecture, 400V DC power can be implemented at a wide variety of different telecom ...

Meet rising AI and cloud demands with 400V DC rack power. SiC semiconductors offer efficient, scalable solutions to tackle safety, heat, and standardization challenges.

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