

Case Study of DC Power Supply Unit Construction in a Serbian Data Center

Whether you're building a hyperscale facility or a compact edge site, the choice between centralized and distributed power architectures will impact cost, efficiency, scalability, and uptime.

This paper presents a comparative reliability analysis of a dc power distribution system in a range of 400 Vdc at the facility level against a typical ac distribution, for critical...

A complete set of design collateral, reference designs and boards, are available from ST to speed-up the design of data center power supply units (PSU) and power distribution systems.

This compendium explores how the surge in artificial intelligence (AI) workloads is transforming data center power architectures and includes suggestions for addressing the issues.

Rackmount servers and switches are normally repackaged versions of equipment that all contain a power supply unit (PSU), also called a switch-mode power supply (SMPS) which is essentially a ...

Explore data center electrical planning & distribution systems for reliability, efficiency. Learn from Google and Microsoft data center case studies.

This guide explores these key components, their functions, placement, and relevant standards in data center electrical design, providing a deeper understanding of how power is ...

A data center-optimized, row-based DC power protection system is now available to help data center operators take advantage of that opportunity.

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In this article, I'll examine and describe some of the best practices for designing supply and processor rail-monitoring solutions in enterprise applications. Enterprise computing relies upon a ...

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