

Energy-saving equipment for Internet data centers

Although research in this area spans a variety of topics--from advanced chip designs to renewable energy sourcing--this paper focuses on practical, solution-centric methods for data centers to ...

Learn how to optimize data center energy efficiency through IT load management, electrical powertrain optimization, cooling system selection, monitoring, and DCIM.

This paper provides an overview and guide to DC energy-consumption issues, emphasizes the importance of implementing passive and active design strategies to reduce DC ...

By selecting the right equipment, ensuring proper redundancy, and focusing on energy-efficient electrical systems, businesses can reduce both operational costs and environmental impact ...

Purchasing servers equipped with energy-efficient processors, fans, power supplies, and high-efficient network equipment; consolidating storage devices; consolidating power supplies; and implementing ...

This paper presents a selected distillation of the extensive benchmarking in 22 data centers which formed the basis for the development of 10 best-practice guides for design and operation that ...

Running UPS systems in eco-mode can reduce data center energy costs by as much as 2 percent. Inexpensive grommets, diffusers, and blanking panels can keep cold air from mixing with hot exhaust ...

Learn how to reduce energy use, optimize cooling, and improve efficiency in data centers with the 2024 FEMP & NREL best practices guide.

Purchasing servers equipped with energy-efficient processors, fans, and power supplies, high-efficiency network equipment, consolidating storage devices, and implementing virtualization are the most ...

Data centers consume around 3% of global electricity. Learn how advanced cooling, AI, and renewable energy solutions are helping data centers reduce power use and cut emissions.

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