

Data center racks with AC DC integration in remote areas

Data center rack power and distribution are critical components that ensure the efficient operation of IT equipment within a data center environment. Effective data center power solutions are essential for ...

Data centers adopted many things from telecoms, most notably the ubiquitous 19-inch rack, which was standardized by AT& T way back in 1922. Now, those racks hold electronic systems ...

Discover the benefits of rack mount and high-power AC-DC supplies for telecom, industrial, and data center applications. Learn how these high-efficiency, scalable power solutions ...

The videos below, produced by Berkeley Lab, provide an in-depth overview of how direct current power can be deployed in your data center to achieve gains in energy efficiency.

Class-leading data center power solutions will keep your operations running 24/7. They're space-saving, time-saving, energy-saving, cost-saving and infinitely scalable.

Rather than managing multiple systems using different protocols, the Xerus Technology Platform supports networked SNMP, MODBUS, open REST based APIs, and a Redfish API, enabling ...

Vertiv(TM) PowerDirect Rack is a DC power shelf solution engineered for modern data centers, bringing a resilient, scalable power backbone right into the IT rack, with features that align to ...

In this exclusive Q& A, Vicor contends that 400-V DC power distribution to AI racks in data centers is inevitable.

To address this, data centers are exploring the integration of both high-efficiency AC and 400V DC rack power distribution by leveraging mSiC(TM) technology to optimize power conversion, ...

Given rapid growth in the server and artificial intelligence (AI) markets, the amount of energy required per rack is increasing from 100kW to >1MW. This increase requires designers to fundamentally ...

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