

Are data center rack enclosures a commodity product?

At one time, data center rack enclosures and related equipment were considered commodity products—simply a platform to stack equipment, with more enclosures purchased as servers and rackmount equipment were added to the IT inventory.

What is a rack enclosure?

In reality, rack enclosures are highly engineered equipment that can enhance the efficiency of supported equipment, and improve the productivity of data center personnel. Rack systems are strategic assets that play a key role in system uptime and data center availability and reliability.

What is an IT rack & cooling enclosure?

Designed to meet IP54 standards, the IT rack and cooling enclosures protect equipment from dust and splashing/dripping water as well as physical and environmental conditions found in factories, warehouses and other edge locations. IT rack enclosures have solid front and back doors with clear acrylic windows for monitoring equipment.

What size rack should a data center have?

Taller racks, beyond the common 47U (2200 mm) are also becoming more popular as data centers with room to expand vertically take advantage of headroom. The depth of rack-mounted equipment is also increasing. For example, the greatest server depth requirements in the past resulted in a rack depth of 1200 mm.

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Executive Summary At one time, data center rack enclosures and related equipment were considered commodity products—simply a platform to stack equipment, with more enclosures ...

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