

At the 2025 Open Compute Project Summit, we announced a +/-400 VDC enabling 1 MW IT racks, and the Project Deschutes liquid cooling distribution unit.

The transition to 1 MW racks will impact not only the products comprising data center architecture but also influence technology companies to think differently about supply chain resilience.

The Open Compute Project Foundation (OCP) is spearheading a radical redesign of data center power architecture to support AI's explosive growth, including the concept of "1 Megawatt ...

Proposals to house 1 MW and up the voltages in use at data centres have come from several vendors, including Google at the time.

Traditional architectures -- constrained by air cooling and legacy power densities -- are giving way to 1 megawatt (MW) racks, enabled by advancements in liquid cooling, high-voltage DC...

That means 1MW is a wild leap from the 15 kW less racks that permeate data centers today. It's even a giant jump from the high-performance 40-100 kW rack power levels people initially ...

Google is collaborating with Meta and Microsoft under the Mt Diablo project to standardize this new high-voltage power architecture, leveraging the mature EV supply chain for scale and ...

This comprehensive strategy will enable data centers to optimize efficiency and performance while supporting unprecedented power demands, paving the way for a future where 1 ...

Prefabricated Modular EcoStruxure Pod Data Center: Prefabricated, scalable pod architecture enables operators to deploy high-density racks, supporting pods up to 1MW and beyond, ...

The 800 VDC sidecar is the first solution on the way to 1 MW IT racks but it won't be the only solution. We plan to continuously innovate power distribution and back-up solutions to drive ...

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