800v liquid-cooled energy storage

Today, TI"s power-management and sensing technology can enable DC architectures as high as 800V. That"s why we"re working with Nvidia to codevelop an 800V high-voltage DC distribution ecosystem ...

At CES 2026, Taiwan-based company XING Mobility announced the launch of the world"s first immersion-cooled 800V high-voltage DC backup battery system (BBx800), alongside the ...

High-density, liquid-cooled IT rack and OCP-inspired power rack, designed to support +/-400V and enable the transition to 800VDC power architectures for next-generation AI infrastructure.

By pairing high-voltage DC with liquid immersion cooling, this new battery architecture aims to shrink copper, tame heat, and smooth brutal load swings from AI training clusters.

XING Mobility launched the BBx800, the industry"s first 800V high-voltage DC Backup Battery Unit (BBU) and Power Rack featuring immersion-cooled technology.

Energy storage solutions to help data center infrastructure handle load spikes, and subsecond scale GPU power fluctuations, is part of the 800 VDC architecture.

These designs push for higher liquid temperatures, liquid-cooled busbars, and larger rack-level energy storage to stabilize power delivery and thermal balance. In short, power has become the defining ...

The Vera Rubin NVL144 rack design features energy-efficient 45°C liquid cooling, a new liquid-cooled busbar for higher performance and 20-times more energy storage to keep power steady.

It uses full immersion cooling, placing each battery cell directly into insulating fluid. The design maintains operating temperatures between 25°C and 27°C over long periods.

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