

RackCDUTM is a unique, pre-commercial data center efficiency technology that brings high-performance liquid cooling directly to the hottest elements inside each server, with the potential to cut ...

In this review, we comprehensively review the most promising direct liquid cooling technologies for DCs (immersion cooling and spray cooling) by summarizing a large number of ...

Liquid cooling is significantly more efficient at transferring heat than traditional air cooling, allowing data centers to operate at higher temperatures and reducing the energy required for chillers ...

Liquid cooling system powered by science could fuel critical infrastructure, offsetting soaring energy consumption and cooling demands.

Energy efficiency: Liquid-cooled systems, particularly paired with water-cooled chillers, can be more energy-efficient than air-cooled systems, leading to lower operating costs.

While air-cooled systems disperse low-grade heat that is impractical to recapture, liquid cooling produces concentrated thermal energy that can be effectively repurposed.

Air cooling offers simplicity and lower cost; liquid cooling delivers higher efficiency for demanding applications. By aligning cooling technology with your needs, you can ensure safer, more ...

Why liquid cooling for data centers is essential for AI growth--cutting energy use, boosting efficiency, and enabling sustainable, high-density compute at scale.

We survey the landscape on different deployments of liquid cooling and are helping develop a standard specification for liquid-cooled racks. Liquid cooling in data centers can be implemented with a broad ...

Today, the two dominant thermal management technologies in the battery energy storage industry are air cooling and liquid cooling. These are not simply generational upgrades of one ...

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