

Energy Storage Liquid Cooling 2025





Overview

What are the benefits of liquid cooled data centers?

Liquid cooling systems reduce the need for large chillers and CRAC units, cutting energy consumption dramatically. PUE scores for liquid-cooled data centers are consistently below 1.2, compared to 1.4 - 1.6 for air-cooled facilities. Moreover, many hyperscalers have committed to eliminating water-based cooling towers in drought-prone regions.

How big will the liquid cooling market be in 2024?

Analysts predict: The liquid cooling market will grow from \$1.5 billion in 2024 to \$6.2 billion by 2030. By 2027, over 50% of new hyperscale capacity will be liquid cooled. AI workloads alone will drive an additional 15 GW of liquid-cooled data center capacity globally by 2028.

How big is the liquid cooling market?

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Is liquid cooling a niche technology?

Liquid cooling is no longer a niche technology. It is the industry standard for hyperscale workloads, AI training clusters, and sustainable data center builds. Operators who fail to adopt liquid cooling will be unable to support future compute densities or meet sustainability targets.



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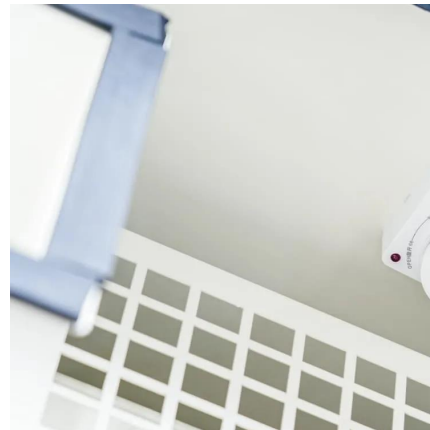


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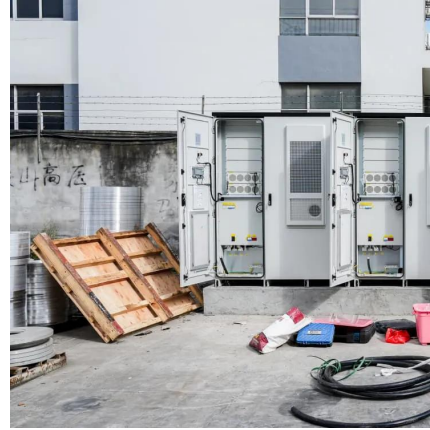
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