

Data Center Rack 120kW Project Solution



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[How Meta achieves 120kW a rack in 20kW air-cooled data centers -](#)

meta catalina. Meta's Catalina compute rack - Meta. Meta first debuted a new liquid-cooled rack designed to host Nvidia GB200 Blackwell chips last Read More

[Liquid-cooled rack solutions to address power, heat, and scale](#)

Flex OCP ORv3-inspired liquid-cooled systems are designed to support the most demanding artificial intelligence (AI) and high-performance computing (HPC) workloads, efficiently cooling up to 120kW



A closer look at Nvidia's 120kW DGX GB200 NVL72 rack system

At GTC this week, we got a chance to take a closer look at the rack scale system, which Nvidia claims can support large training workloads as well as inference on models up to 27 trillion

[Data Center Cooling Solutions , Direct-to-Chip Liquid Cooling](#)

Data center cooling solutions have undergone a fundamental transformation driven by the rapid escalation of AI accelerator power densities. Modern hyperscale facilities running NVIDIA GB200,





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[The "Passive" Data Center is Dead. Welcome to the Era of the 120kW Rack](#)

For the last decade, data center design was linear. We planned for 5-8 kW per rack. We treated the utility grid as an infinite well-we plugged in, and they provided. That era is ending.



SMART SOLUTIONS REFERENCE SUMMARY

This Reference Summary provides you with one example of how Smart Solutions can help achieve efficiency and availability for small to medium data centers. This design optimizes capacity - to

[Nvidia offers 120kW liquid cooled Blackwell rack as industry st](#)

Nvidia is donating its 120kW, 1400A liquid cooled rack design to the Open Computer Project (OCP) for AI running on Blackwell GPUs. Blackwell is now in mass production and is



High-Density Racks , Introl Blog

The surge to 100kW+ per rack represents both evolution and revolution in data center infrastructure.6 Traditional racks designed for 5-10kW loads cannot safely support modern GPU

GB200 NVL72 , NVIDIA

Liquid-cooled GB200 NVL72 racks reduce a data center's carbon footprint and energy consumption. Liquid cooling increases compute density, reduces the amount of floor space used, and facilitates



[How Meta achieves 120kW a rack in 20kW air-cooled data centers](#)

For two 120kW racks of compute - each rack featuring 18 compute trays (72 Grace CPUs and 144 Blackwell GPUs) and nine NV switches, Meta utilizes four racks of cooling racks (two

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