

Cold Plate Liquid Cooling Equipment

Liquid-Liquid Integrated Rack



Overview

Factory-prefabricated and ready for rapid deployment, integrating power supply, liquid cooling, and IT equipment into a unified intelligent cabinet.

Built-in condensation prevention, leak detection, automatic coolant refill, and flow protection, with enhanced fault tolerance and high stability.

Pump system with 2N redundant variable-frequency design, automatic switchover in case of failure. When both pumps run simultaneously, cooling capacity increases by ~10%.

Features

- 4U structure with rack power density up to 15–120 kW/rack, ideal for rapid deployment of indoor GPU clusters.
- Supports integrated solutions for liquid cooling, power distribution, and networking with fully prefabrication.
- Equipped with upper-level communication protocols, alarm and shutdown functions, and temperature/humidity settings, ensuring seamless integration with existing systems.
- Simplified retrofitting—can rely on existing chilled water infrastructure for quick upgrades using liquid cooling modules.
- Intelligent control of temperature, pressure, and flow rate, with dynamic dew point monitoring to prevent condensation.