

Liquid-cooled integrated power supply solution



Overview

This innovative power supply unit integrates liquid cooling mechanisms directly into the PSU housing, creating a hybrid solution that addresses both power delivery and heat dissipation challenges in modern computing environments. The iHP20S Liquid Cooled precision AC-DC configurable power supply is 100% digitally controlled in a 757.8 mm package and provides eight individual slots that accept intelligent DC-DC converter modules. Each slot may be populated with a separate 3000 W plug-in module with an. As a global leader in demanding power conversion applications, where reliability is critical, we are known for delivering high-precision variable DC sources, resolving EMC & RF issues, and delivering quick-turn and integrated power distribution units. This sophisticated power delivery system integrates advanced thermal management. AI factories are pushing data center power and cooling requirements beyond traditional limits, making integrated AI data center infrastructure essential.



Article Content

AI Datacenter Liquid Cooling Market | Global Market

AI Datacenter Liquid Cooling Market is segmented by Cooling Technology (Direct-to-chip liquid cooling, Immersion cooling, Rear-door heat

AI factory liquid cooling & power infrastructure

End-to-end solutions for integrated direct-to-chip liquid cooling, CDUs, and power infrastructure for AI factories—optimized for GPU densities above 100

Experimental investigation of an autonomous liquid-cooled ...

This paper presents a new liquid-cooling technology for uninterruptible power supply (UPS) units, in which an air-cooling system is combined with a direct-to-chip liquid-cooling system.

Energy Storage Products | All-scenario ESS & EV

Energy storage systems (ESS) can capture excess energy for later use. ATESS provides diverse ESS solutions to meet commercial and industrial needs.

Rack-Scale Liquid Cooling Solutions | Supermicro

Superior Cooling Reduces Power, Water, Noise, and Space Supermicro liquid cooling solutions reduce power costs by up to 40%, accelerate time-to

5 Liquid Cooling Data Center Projects in 2026

The block is designed for AI training clusters requiring extreme power density, and the mechanical plant includes elevated supply-temperature cooling to improve

Liquid Cooled PSU: Advanced Power Supply Technology with

Discover the revolutionary liquid cooled PSU technology that combines efficient power delivery with advanced thermal management. Learn about the benefits, features, and applications of liquid cooled

Liquid Cooled Power Supply Solutions: Advanced Thermal

These power supplies feature modular designs that accommodate various cooling configurations, from closed-loop systems to custom liquid cooling setups. The liquid cooled power supply delivers

CNTE BESS Manufacturer | Battery Energy Storage

CNTE manufactures advanced BESS & lithium-ion battery storage systems. We provide R& D, production and service for reliable energy storage solutions.

GB200 NVL72 | NVIDIA

Liquid cooling increases compute density, reduces the amount of floor space used, and facilitates high-bandwidth, low-latency GPU communication with large

Delta Thailand Advances Sustainable Growth Through Integrated

BANGKOK, July 2, 2026 /PRNewswire/ -- Delta Electronics (Thailand) Public Company Limited, a global leader in power management and smart green solutions, is showcasing its

Water Cooled Power Supplies

Liquid-cooled power supplies feature increased power density, environmental protection, superior temperature control, scalable power, and minimum audible

5MWh Air-Cooled Container Energy Storage System

The 5MWh Air-Cooled Energy Storage Container (DHFL5MWh-2.5MW-2h) is a modular solution for industrial and commercial use. Featuring Lithium Iron

Liquid vs Air Cooling for Data Centers 2026: Cost

Data Center Cooling 2026: Liquid Immersion vs Air — TCO & Performance Institutional TCO comparison of liquid immersion vs air cooling for data centers:

836kWh Liquid Cooled Battery Storage Cabinet (eFLEX

836kWh Liquid Cooled Battery Storage Cabinet (eFLEX BESS) AceOn's Flexible Energy Storage Solution AceOn's eFlex 836kWh Liquid-Cooling ESS offers a

NVIDIA GB200 Supply Chain: The Global Ecosystem

Following that, sections cover memory and substrate suppliers (HBM3e, coWoS substrates), system integration and board assembly (PCBs, OEMs), power and

Products-UPS Power System Manufacturer China|INVT

UPS Power System Manufacturer China|INVT Power Products INVT Power is a leading UPS(uninterruptible power supply) OEM/ODM manufacturer from China,

EV On Board Charger & DC-DC Converter Combo

EV On Board Charger (OBC) Experience peak performance and reliability with our integrated EV on board charger (OBC), DC/DC converter, and PDU combo

Stulz: Integrated Liquid Cooling System

Our solution, equipped with integrated Direct Chip Liquid Cooling (DCLC), is a standardized, row-style modular data center designed for high-density

When air isn't enough: The liquid cooling revolution

Cooling, once a background function, has become a defining challenge of the digital era. And the solution isn't simply more air. It's liquid. Schneider Electric's

Dell Integrated Rack Scalable Systems—Simplified, Reliable

Dell's Integrated Rack Scalable Systems (IRSS) are revolutionizing data center operations with rapid and simplified deployment of fully integrated, plug-and-play rack-scale

Hotter Than a Hot Tub: The 45°C Breakthrough to Cool AI's Biggest ...

Although each generation offers significantly more computing power for each watt, full liquid-cooled AI compute infrastructure enables data centers to dramatically reduce cooling energy consumption —

AHEAD | Digital Platforms Engineered for Modern

LATEST NEWS AHEAD Opens 10MW Liquid-Cooled Integration Facility to Power Enterprise AI Factories March 16, 2026 [Read More](#) [AHEAD to Showcase](#)

Sungrow Unveils Breakthrough Solar and Energy

A robust liquid-cooled thermal management system cuts auxiliary power consumption by 40%, delivering a more efficient power supply. Safety and

SUPERMICRO RACK SCALE LIQUID COOLING SOLUTIONS

Full turn-key single-source solution optimized from proven total solution blueprints of compute, GPU, storage, networking, and power & cooling reference designs, with integrated power management tools

iHP20S Liquid Cooled

With over 3 million configurable power supply combinations, this power solution

Liquid Cooled Power Solutions

The world's most advanced liquid-cooled power solutions, with power modules from 5kW to 16kW. These wide- range DC power supplies feature voltages up to 1kV and provide power up to 500kW.

Vertiv Liquid Cooling 2026, \$4.75B Ecolab Acquisition

This partnership aims to integrate on-site energy solutions with power and cooling, specifically targeting the development of gigawatt-scale AI data centers and addressing the entire power chain.

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

Liquid Cooling: The 2026 Mandate for 100kW AI Racks

In 2026, liquid cooling is mandatory for 100kW AI data centers. Learn how key partnerships are solving the power crisis and shaping the future of cooling.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.tomor.eu>

Email: info@tomor.eu

Phone: +49 69 2381 5497

Address: Am Hauptbahnhof 10, 60329 Frankfurt am Main, Germany

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