

FUTURE PROOF YOUR DATA CENTER WITH DDC S-SERIES

Push beyond the limits of traditional data center cooling with the DDC S-Series, patented cabinet technology that supports HPC and AI infrastructure with ultra-high-density air and liquid-to-chip ready cooling.



The Challenge

The rapid growth of AI and HPC workloads is driving unprecedented rack densities, pushing traditional data center designs to their limits. Operators must retrofit or build facilities that support higher power and cooling demands - while optimizing footprint, sustainability, and efficiency.



Solution Overview

Future-proof density, built for AI.

The modular **S-Series Cabinet Platform** delivers ultra-high-density air cooling up to **100kW** and scalable to **1MW+** by integrating liquid cooling from a CDU.

Powered by patented **Dynamic Density Control™**, it adjusts airflow and temperature in real time to maximize performance, extend hardware life, and reduce energy use.

With **NEMA 3R** protection, fire suppression, and **real-time software monitoring**, the S-Series lowers TCO while minimizing operational and environmental risk.



**S-SERIES CABINETS + DCIM MANAGEMENT SOFTWARE
= A COMPLETE SOLUTION FOR DATA CENTERS**





By The Numbers

DDC S-Series delivers:

- 100-kilowatt air-cooled density
- Liquid-to-chip-ready to support any higher density
- 1-1000+ cabinet scalability
- 75% reduced deployment time
- 1,500+ global deployments

Cabinet dimensions

- Rack Widths 30" & 36"
- 45 RMU 116"H x 82"D
- 48 RMU 121.25"H x 82"D
- 52 RMU 126.5"H x 82"D
- 60 RMU 140.5"H x 82"D
- Weight: 790 – 870 lbs

How it Works

The DDC S-Series is a modular, high-density cabinet platform built for performance, efficiency, and resilience.

- **Modular by Design:** Scale from 1 to 1,000+ cabinets, matching IT growth and budget. Mix ultra-dense and standard cabinets side-by-side.
- **Air + Liquid Cooling:** Start with air and scale to 1MW+ with liquid cooling as high-density workloads demand.
- **Deploy Anywhere:** Low noise and efficient heat transfer make it suitable for diverse environments.
- **Smarter Cooling:** DDC software ensures tight control of temp, dew point, and airflow with sensor-driven DCIM.
- **Built for the Real World:** Reinforced tops for technician access, sealed decks, and simplified water feeds.
- **Risk Contained:** NEMA 3R, built-in fire suppression, and cabinet-level fault isolation protect uptime and equipment.