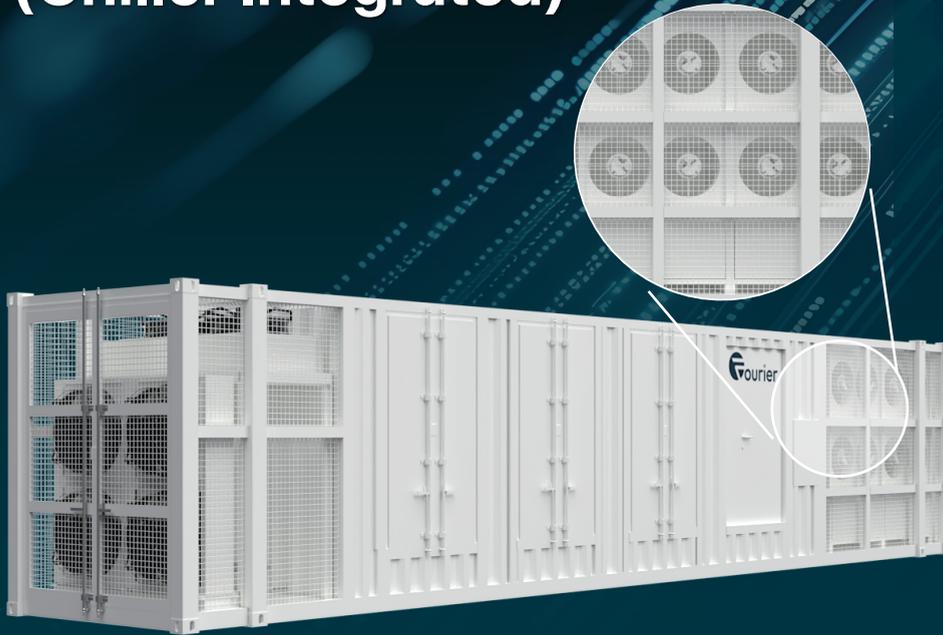


Computing & Cooling

Cold Plate Container (Chiller Integrated)



Server Capacity

- 8 × 42U IT racks
- Supports 500 kW IT load (400 kW liquid cooling + 100 kW air cooling) @ 45 °C ambient; equivalent to 62.5 kW / rack, 7 × H100 servers or 4 × GB200 servers / rack
- Supports 460 kW IT load (360 kW liquid cooling + 100 kW air cooling) @ 55 °C ambient; equivalent to 57.5 kW / rack, accommodating 6 × H100 servers or 4 × GB200 servers / rack
- Capacity derates to 380 kW IT load (300 kW liquid cooling + 80 kW air cooling; no derating with evaporative-cooled version) @ 65 °C ambient; equivalent to 47.5 kW / rack, accommodating 5 × H100 servers or 3 × GB200 servers / rack
- Liquid cooling system supports fully natural cooling below ambient 24 °C
- Built-in dry cooler (with DX), closed cooling tower.

Overview

Fourier's cold plate container integrates multiple industry-leading innovations into a complete end-to-end solution—from the cold plate to the external chiller plant. Designed for adaptability in diverse and challenging environments, it delivers high-density cooling performance while overcoming extreme conditions such as elevated ambient temperatures and limited water availability.

Features

- Patented Cold Plate Design: Engineered for synthetic oil and fluorocarbon fluids, supporting GPU heat loads exceeding 2,000 W per chip.
- Natural Cooling Efficiency: Enables full free cooling below 24 °C, free-cooling benefits during more than two-thirds of annual operating hours in temperate climates.
- High-Temperature Resilience: Operates reliably in extreme outdoor conditions up to 55 °C, and sustains performance at 65 °C with only ~10% capacity derating.
- ≈0 Water Use: Annual average CLF ≤ 0.15 with nearly no water consumption.
- Heat Recovery Ready: Optional module outputs 40–90 °C hot water.