liquidstack°

DataTank™ 4U
Up to 6kW

Slashing Energy Use in Edge & Micro Data Centers

LiquidStack's 2-phase Immersion Cooling can cool the hottest computers in the most extreme conditions. Removing all the limitations of traditional air cooling, 2-phase immersion liquid cooling is silent, non-toxic and environmentally friendly.

Standard Features

Industry Leading Efficiency

- pPUE of as low as 1.02 nominal
- Zero IT fan power consumption
- No pumps required for heat rejection
- Internal power meter for IT, System and Cooling

Built-in Resiliency

- N or 2N supply power to IT loads
- High-performance condenser
- Dielectric buffer tank for maximum uptime

Space Savings

- No need for bulky air-cooled IT heat sinks
- No IT fans
- No IT chassis needed
- IT boards can be tightly packed
- Up to 43% savings in footprint (compared to 600 x 1200 IT rack)

The improved energy efficiency, elimination of water use and dramatic reduction in space leads to significant TCO savings:

41% reduction
in energy used for cooling

44% CAPEX reduction
versus air-cooling

43% reduction
in Data Center white space

15% improvement
in TCO over 20 years (nominal)

Typical Dimensions*	4U
Height	1,574mm (62.0")
Width	880mm (34.6")
Depth	733mm (28.9") with radiator 433mm (11.0") without radiator
Weight	350kg (772 lbs)

* Based on 19-inch configuration

Flexibility

- 19-inch and 21-inch rack compatible
- From 850mm 1,050mm depth IT
- Future-proof for nearly any IT design
- No additional CAPEX for IT refresh
- Lockable casters for portability
- Optional integrated dry cooler (shown)

Advanced Controls

- 7-inch color touch-screen display
- Network manageability, real-time capacity monitoring, predictive failure notification over standard protocols

Safe to Operate and Maintain

- Dielectric fluids are environmentally safe and non-flammable
- Stainless steel tank construction
- Tempered glass lid
- Multi-level safety mechanisms
- High efficiency LED interior lighting
- Silent operation capability
- 20-year operable life

Defying the Cooling Convention for a New Generation of Data Center, Edge and High Performance Computing

LiquidStack's 2-phase immersion liquid cooling is the only proven, highly scalable, environmentally safe and sustainable solution capable of meeting the thermal challenges of cloud, enterprise, 5G and edge computing applications.

Since pioneering 2-phase immersion cooling in 2012, LiquidStack has been deploying advanced cooling solutions across the world's most demanding compute environments, actively reducing energy and water use on a massive scale.

Today, LiquidStack provides thermal management solutions to many of the world's largest cloud services, semiconductor, manufacturing, IT hardware and cypto-mining providers.

To learn more, please visit **www.liquidstack.com**.

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