



OceanCool™

Immersion Liquid Cooling System

> > Foundation of Digital Future

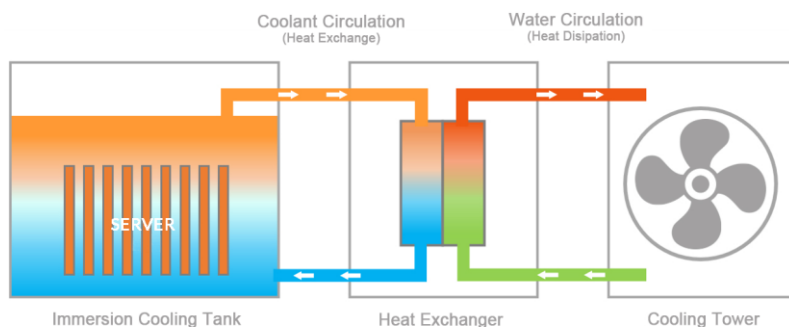
The one stop immersion cooling solutions for you to build
High Density, Efficient and Sustainable Data Centers.



Efficiency Prefabricated

OceanCool | C Series

Rapid growth of demand for data processing capabilities will bring about the increasing power density of chips, and liquid cooling technology will play its advantages of efficient and energy-saving heat dissipation when the power of each U server exceeds 500W. OceanCool immersion cooling solution combines performance, energy saving and reliability, making it the preferred cooling solution for future-oriented green, low-carbon, and high-density data centers.



Single-phase direct immersion liquid cooling design, the server is completely immersed in fluoride liquid or mineral oil, and the chip heat is brought out to the heat exchanger through the excellent flow path design, and then the heat is brought to the cooling tower and other heat dissipation facilities through water circulation, which can achieve year-round free cooling, greatly saving cooling costs and improving server power density.

Features and Benefits



Liquid cooling cabinet + CDU distribution unit integrated as one for plug and play, can be deployed in batches, and delivered quickly.



Extremely energy-saving, low-carbon and environmentally friendly, no mechanical refrigeration system, PUE factor as low as 0.03.



Effectively eliminate the impact of environmental dust, pollutants, humidity, etc. on IT equipment, improve reliability and extend service life.



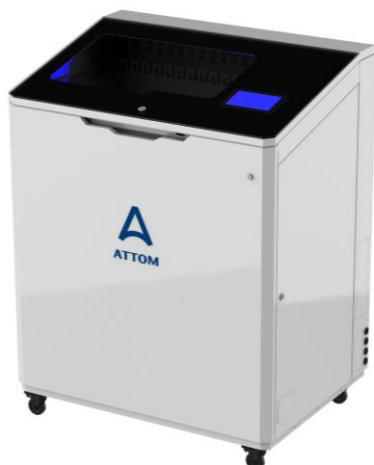
The coolant adopts colorless, odorless, non-toxic, highly insulating fluoride liquid or mineral oil, which is safe and reliable.



It can simplify data center design, improve IT hardware performance, and greatly increase power density.



A single cabinet has a variety of U-position and cooling capacity specifications, and can be combined with multiple cabinets to meet the needs of diverse application scenarios.



Efficiency Prefabricated



ATTOM

OceanCool | R Series

OceanCool R Series Immersion Cooling

OceanCool R Series immersion liquid cooling solutions consist of a modular immersion liquid cooling basin, in-rack coolant manifold, and an intelligent monitoring system.



Features & Benefits

- Modular high-density design, seamlessly compatible with traditional rack-mounted computer room layout.
- One-piece design, plug-and-play installation.
- Modular and scalable immersive racks are best suited for building/growing business models.
- Low noise design, can be used in places with high noise requirements
- Built-in fluid temperature, fluid leak detection, and alarm notifications.
- Sliding fuel tank design, maintenance and management is more convenient.
- Integration with network switching system for easier commissioning.
- The optional heat recovery design brings additional benefits to space heating.
- Intelligent controller, rich in information, easy to monitor and debug.

Efficiency Prefabricated



OceanCool | Immersion Cooling

Technical Data						
Model	AL-50S	AL-100S	AL-100D	AL-100F	AL-200T	AL-400T
Type	Immersion	Immersion	Immersion	Immersion	Immersion	Immersion
Rack Quantity	1	1	2	4	4	8
Space in U	24	42	42	42	42	42
CDU Quantity	1	1	1	1	1	2
Capacity 1 (KW)	24.5	100	100	100	100	200
Rack Density 1 (KW)	24.5	100	50	25	25	25
Capacity 1 (KW)	49.5	200	200	200	200	400
Rack Density 2 (KW)	49.5	200	100	50	50	50
PUE	0.03	0.03	0.03	0.03	0.03	0.03
Length -mm	1170	2200	2200	2200	6058	12192
Width -mm	870	800	800	800	2438	2438
Height -mm	1430	1500	1500	1500	2896	2896
Power Type	380-415V/50-60Hz/3Ph 380-415V/50-60Hz/3Ph 380-415V/50-60Hz/3Ph 380-415V/50-60Hz/3Ph 380-415V/50-60Hz/3Ph 380-415V/50-60Hz/3Ph					

Notes:

1. The cooling capacity 1 is measured based on the inlet water temperature of 35°C.
2. The cooling capacity 2 is measured based on the inlet water temperature of 12.5 °C.
3. This product is only suitable for special liquid-cooled server refrigeration.
4. Tailor-made design can be accepted.
5. Modifications to product parameters due to technical changes without prior notice.

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One-stop Provider of Precision Cooling

Air Cool Platform



Rack Cool

- 3.9- 12kW Split type
- 3.5-5.5kW Package Type



Ceiling Cool

- 12- 36kW Split Type



Wall Cool

- 1.5- 30kW Package Type



Row Cool

- 5.6- 90kW Split Type
- 5.6 – 10.6kW Package Type



Room Cool

- 5.5- 120kW Split DX Type
- 26 – 280 kW CW Type

Liquid Cool Platform



Immersion Liquid Cool

- 10kW – 2MW immersion cooling tanks, dry coolers and water connection kits.



Cold-plate Liquid Cool

- 50kW – 350kW CDU, dry cooler, and water connection kits.



Efficiency Prefabricated



We believe the world is
being totally connected.
The digital connections are
creating smart intelligence
and a **better future**.

We design and deliver
green efficient data center
infrastructure products to
build foundation of digital
future.



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