

# Global Plate Liquid Cooled Servers Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Plate Liquid Cooled Servers market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

There are currently two main types of liquid-cooled servers in the market: immersion liquid-cooled servers and plate-type liquid-cooled servers. The biggest difference between the two is that the CPU, which generates the most heat, in the plate-type liquid-cooled server does not directly contact the cooling liquid. Instead, the liquid is infused into a conductive device, and the CPU end is in contact with the conductive device, and the heat is taken away through the conductive device to achieve cooling. This technology has lower cost and technical requirements compared to immersion liquid-cooled servers, so it is more widely used globally. The immersion liquid-cooled server fully submerges the server in a medium for cooling. There are two types of cooling mediums: air-cooling and liquid-cooling, with liquid-cooling having three sub-types: water, mineral oil, and electronic fluorine.

**Water:** has a high heat capacity and is non-polluting, but it is not an insulator and can only be used in non-direct contact liquid cooling technology.

**Mineral oil:** is a relatively inexpensive insulating cooling liquid. Single-phase mineral oil is odorless, non-toxic, and not easily volatile. It is an environmentally friendly medium, but it has a high viscosity and is prone to residue, which can pose a fire risk under certain conditions.

**Fluorine-based liquid:** due to its insulating and non-combustible inert characteristics, it will not affect the equipment in any way and is the most widely used immersion cooling liquid.

This report studies the global Plate Liquid Cooled Servers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Plate Liquid Cooled Servers, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Plate Liquid Cooled Servers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Plate Liquid Cooled Servers total production and demand, 2018-2029, (K Units)

Global Plate Liquid Cooled Servers total production value, 2018-2029, (USD Million)

Global Plate Liquid Cooled Servers production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Plate Liquid Cooled Servers consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Plate Liquid Cooled Servers domestic production, consumption, key domestic manufacturers and share

Global Plate Liquid Cooled Servers production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Plate Liquid Cooled Servers production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Plate Liquid Cooled Servers production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Plate Liquid Cooled Servers market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Dawning Information Industry, Unisplendour Corporation Limited, Lenovo, Huawei, Sunway BlueLight MPP, SGI, K-

computer, Fujitsu Limited and Advanced Micro Devices, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Plate Liquid Cooled Servers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Plate Liquid Cooled Servers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Plate Liquid Cooled Servers Market, Segmentation by Type

Water Medium

Mineral Oil Medium

Electronic Fluorinated Liquid Medium

Others

## Global Plate Liquid Cooled Servers Market, Segmentation by Application

Enterprises

Data Centers

Others

## Companies Profiled:

Dawning Information Industry

Unisplendour Corporation Limited

Lenovo

Huawei

Sunway BlueLight MPP

SGI

K-computer

Fujitsu Limited

Advanced Micro Devices

HP

Cisco

DELL

TYAN

CRAY

BULL

### Key Questions Answered

1. How big is the global Plate Liquid Cooled Servers market?
2. What is the demand of the global Plate Liquid Cooled Servers market?
3. What is the year over year growth of the global Plate Liquid Cooled Servers market?
4. What is the production and production value of the global Plate Liquid Cooled Servers market?
5. Who are the key producers in the global Plate Liquid Cooled Servers market?
6. What are the growth factors driving the market demand?

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