

Global Direct Liquid Cooling Solution Supply, Demand and Key Producers, 2023-2029

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Abstracts

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

Direct Liquid Cooling (DLC) is a server cooling technology designed to improve energy efficiency and cooling in data centers. Compared with traditional air cooling, DLC systems have higher heat dissipation efficiency and energy utilization. Because liquid conducts heat much better than air, DLC can move heat away from server components more quickly. This helps lower server temperatures, improves stability and reliability, and reduces energy consumption. This method of server cooling can extract up to 80 kW of power (60-70% heat) per rack, increasing data center efficiency and reducing energy costs by up to 45%. The rest of the heat needs to be dissipated by other means, usually from the fan wall at the rear of the rack. DLC technology can also support high-density server deployments because it can more efficiently handle the heat generated by multiple high-power components. This is especially important for large-scale data center operators, who need to accommodate as many servers as possible in a limited space.

This report studies the global Direct Liquid Cooling Solution production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Direct Liquid Cooling Solution, 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 Direct Liquid Cooling Solution that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Direct Liquid Cooling Solution total production and demand, 2018-2029, (K Units)

Global Direct Liquid Cooling Solution total production value, 2018-2029, (USD Million)

Global Direct Liquid Cooling Solution production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Direct Liquid Cooling Solution consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Direct Liquid Cooling Solution domestic production, consumption, key domestic manufacturers and share

Global Direct Liquid Cooling Solution production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Direct Liquid Cooling Solution production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Direct Liquid Cooling Solution production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Direct Liquid Cooling Solution 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 NVIDIA, Supermicro, HPE, Intel, Dell, Lenovo, Inspur, Penguin Computing and Atos, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Direct Liquid Cooling Solution 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 Direct Liquid Cooling Solution Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Direct Liquid Cooling Solution Market, Segmentation by Type

Single Phase

Two-Phase

Global Direct Liquid Cooling Solution Market, Segmentation by Application

Data Center

Artificial Intelligence and Deep Learning

Financial Industry

Telecommunications Industry

Energy Industry

Others

Companies Profiled:

NVIDIA

Supermicro

HPE

Intel

Dell

Lenovo

Inspur

Penguin Computing

Atos

Quanta Cloud Technology (QCT)

AMAX Information Technologies

Nettrix

Equinix

LiquidStack

Iceotope

ZutaCore

CoolIT Systems

Motivair

Boyd

DCX Liquid Cooling Systems

Schneider Electric

JetCool

7Starlake

UNICOM Engineering

2CRSi

nVent

Gigabyte

Nettrix

Asus

Vertiv

Key Questions Answered

1. How big is the global Direct Liquid Cooling Solution market?
2. What is the demand of the global Direct Liquid Cooling Solution market?
3. What is the year over year growth of the global Direct Liquid Cooling Solution

market?

4. What is the production and production value of the global Direct Liquid Cooling Solution market?

5. Who are the key producers in the global Direct Liquid Cooling Solution market?

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