

ASEAN Liquid Cooling Industry Research Report 2026-2030

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Abstracts

Liquid cooling is a highly efficient heat dissipation technology that utilizes liquid as a heat transfer medium to absorb and carry away the heat generated during equipment operation through liquid circulation.

Compared to traditional air cooling, liquid cooling offers higher heat transfer efficiency, superior heat dissipation capabilities and lower energy consumption.

In recent years, with the rapid growth in demand for artificial intelligence (AI), high-performance computing (HPC), cloud computing, and high-density deployment of data centers, liquid cooling has gradually become an important development direction for data center heat dissipation technology.

Liquid cooling is primarily categorized into three types: cold-plate, immersion and spray cooling.

ASEAN is the most important regional cooperation organization in Southeast Asia. It was established in 1967 and is headquartered in Jakarta, Indonesia. With a population of approximately 680 million, ASEAN is one of the most populous regions in the world, ranking just behind densely populated areas such as South Asia and East Asia. In recent years, ASEAN's economic growth has been primarily driven by factors such as the restructuring of industrial chains, increased foreign direct investment, deepening regional trade integration, and the expansion of consumer markets.

The liquid cooling market in ASEAN is currently in the early stages of rapid growth, driven primarily by data center expansion and the rising demand for artificial intelligence (AI) computing power.

According to estimates by CRI, the market size is projected to reach approximately US\$ 140 million in 2026. With a forecasted compound annual growth rate (CAGR) of around 18.0% between 2026 and 2030, the market size is expected to reach US\$ 270 million by 2030.

CRI recommends that global liquid cooling equipment companies, data center operators, cloud service providers, AI companies, server and semiconductor companies., liquid cooling providers, international AI enterprises, private equity (PE) funds and venture capital (VC) firms conduct timely market research on the ASEAN region to prepare for their strategic entry into the ASEAN liquid cooling market.

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Economic and Policy Environment of Liquid Cooling Industry in ASEAN

Analysis of the Liquid Cooling Industry in Major ASEAN Countries

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Analysis of the Key Liquid Cooling Providers in ASEAN

Key Drivers and Market Opportunities of Liquid Cooling Industry in ASEAN

What are the key drivers, challenges and opportunities for the ASEAN Liquid Cooling industry during the forecast period of 2026–2030?

Which companies are the major market players in the ASEAN Liquid Cooling industry and what are their competitive advantages?

What is the projected revenue for Liquid Cooling market in ASEAN during the forecast period of 2026–2030?

What strategies have major market players adopted to increase their market share within this industry?

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