

# Global Power Battery Liquid Cold Plate Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Power Battery Liquid Cold Plate market size will reach 1,767.10 Million USD in 2025 and is projected to reach 8,454.54 Million USD by 2032, with a CAGR of 25.06% (2025-2032). Notably, the China Power Battery Liquid Cold Plate market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

A power battery liquid cold plate is a cooling component used in electric vehicles (EVs) and other applications with high-performance power batteries. It is designed to manage and dissipate the heat generated during the charging and discharging processes of lithium-ion batteries. The liquid cold plate is typically integrated into the battery pack, and a cooling liquid, often a specialized coolant or refrigerant, circulates through channels within the plate, absorbing and transferring heat away from the battery cells. This active cooling mechanism helps maintain the battery's optimal temperature range, ensuring efficient performance, extending the battery's lifespan, and improving overall safety. Power battery liquid cold plates play a crucial role in managing thermal conditions, preventing overheating, and optimizing the energy storage capabilities of advanced battery systems in electric vehicles and other high-power applications.

The major global manufacturers of Power Battery Liquid Cold Plate include MAHLE, Valeo, Sanhua Group, Yinlun, Nabaichuan, Dana, Boyd Corporation, Modine Manufacturing, ESTRA Automotive, Cotran (Retek), ONEGENE, Songz Automobile Air

Conditioning, Nippon Light Metal, Winshare Thermal, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Power Battery Liquid Cold Plate. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Power Battery Liquid Cold Plate market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Power Battery Liquid Cold Plate market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Power Battery Liquid Cold Plate industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Power Battery Liquid Cold Plate Include:

MAHLE

Valeo

Sanhua Group

Yinlun

Nabaichuan

Dana

Boyd Corporation

Modine Manufacturing

ESTRA Automotive

Cotran (Retek)

ONEGENE

Songz Automobile Air Conditioning

Nippon Light Metal

Winshare Thermal

Power Battery Liquid Cold Plate Product Segment Include:

Below 10000 mAh

10001-20000 mAh

Above 20000 mAh

Power Battery Liquid Cold Plate Product Application Include:

Offline Sales

Online Sales

## **Chapter Scope**

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