

Global Liquid Cooling Plates for C&I Energy Storage Market Growth 2026-2032

<https://marketpublishers.com/r/G3BFA9A94BC7EN.html>

Date: July 2026

Pages: 94

Price: US\$ 3,660.00 (Single User License)

ID: G3BFA9A94BC7EN

Abstracts

The global Liquid Cooling Plates for C&I Energy Storage market size is predicted to grow from US\$ 247 million in 2025 to US\$ 382 million in 2032; it is expected to grow at a CAGR of 7.0% from 2026 to 2032.

Liquid Cooling Plates for C&I Energy Storage are heat-exchange components installed in battery packs, modules or racks to transfer heat from cells to coolant channels. They are typically made from aluminum alloys using stamping, brazing, friction stir welding, roll-bonding or extruded flow-channel structures, helping improve temperature uniformity, battery life, safety and system efficiency. In 2025, Global Liquid Cooling Plates for C&I Energy Storage sales are estimated at around 11,000 K Units, with an average ex-works price of about 23 US\$/Unit. The value chain consists of aluminum sheets/extrusions, brazing materials, seals, coolants and welding equipment upstream, liquid cooling plates, cooling manifolds and thermal management module manufacturers midstream, and battery makers, BESS integrators, PCS/cabinet suppliers and C&I project owners downstream.

The key driver is the transition from air cooling to liquid cooling in C&I energy storage. Higher cabinet capacity, larger LFP cells, higher charge-discharge rates and stricter safety requirements make air cooling less sufficient for cell temperature uniformity and lifetime consistency. Liquid cooling plates reduce hot spots, improve thermal balance and support higher system reliability.

LP Information, Inc. (LPI) ' newest research report, the "Liquid Cooling Plates for C&I Energy Storage Industry Forecast" looks at past sales and reviews total world Liquid Cooling Plates for C&I Energy Storage sales in 2025, providing a comprehensive analysis by region and market sector of projected Liquid Cooling Plates for C&I Energy

Storage sales for 2026 through 2032. With Liquid Cooling Plates for C&I Energy Storage sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Liquid Cooling Plates for C&I Energy Storage industry.

This Insight Report provides a comprehensive analysis of the global Liquid Cooling Plates for C&I Energy Storage landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Liquid Cooling Plates for C&I Energy Storage portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Liquid Cooling Plates for C&I Energy Storage market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Liquid Cooling Plates for C&I Energy Storage and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Liquid Cooling Plates for C&I Energy Storage.

This report presents a comprehensive overview, market shares, and growth opportunities of Liquid Cooling Plates for C&I Energy Storage market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Stamped Brazed Plate

Roll-Bonded Plate

Others

Segmentation by Cooling Architecture:

Aluminum Alloy Plate

Copper/Aluminum Composite

Others

Segmentation by Material Type:

Aluminum Alloy Plate

Copper/Aluminum Composite

Others

Segmentation by Application:

Industrial Energy Storage

Commercial Energy Storage

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Boyd

Cotran New Material

Trumony Aluminum

XD Thermal

ToneCooling

Neklar Group

Sanhua Automotive

Feirongda Technology

Renbow New Energy

Key Questions Addressed in this Report

What is the 10-year outlook for the global Liquid Cooling Plates for C&I Energy Storage market?

What factors are driving Liquid Cooling Plates for C&I Energy Storage market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Liquid Cooling Plates for C&I Energy Storage market opportunities vary by end market size?

How does Liquid Cooling Plates for C&I Energy Storage break out by Type, by Application?

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