

Global Liquid Cooling Plates for C&I Energy Storage Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Liquid Cooling Plates for C&I Energy Storage market size was valued at US\$ 259 million in 2025 and is forecast to a readjusted size of US\$ 393 million by 2032 with a CAGR of 6.5% during review period.

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.

This report is a detailed and comprehensive analysis for global Liquid Cooling Plates for C&I Energy Storage market. Both quantitative and qualitative analyses are presented by

manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Liquid Cooling Plates for C&I Energy Storage market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Liquid Cooling Plates for C&I Energy Storage market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Liquid Cooling Plates for C&I Energy Storage market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Liquid Cooling Plates for C&I Energy Storage market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Liquid Cooling Plates for C&I Energy Storage

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Liquid Cooling Plates for C&I Energy Storage market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Boyd, Cotran

New Material, Trumony Aluminum, XD Thermal, ToneCooling, Neklar Group, Sanhua Automotive, Feirongda Technology, Renbow New Energy, etc.

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

Market Segmentation

Liquid Cooling Plates for C&I Energy Storage market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Stamped Brazed Plate

Roll-Bonded Plate

Others

Market segment by Cooling Architecture

Aluminum Alloy Plate

Copper/Aluminum Composite

Others

Market segment by Material Type

Aluminum Alloy Plate

Copper/Aluminum Composite

Others

Market segment by Application

Industrial Energy Storage

Commercial Energy Storage

Major players covered

Boyd

Cotran New Material

Trumony Aluminum

XD Thermal

ToneCooling

Neklar Group

Sanhua Automotive

Feirongda Technology

Renbow New Energy

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Liquid Cooling Plates for C&I Energy Storage product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Liquid Cooling Plates for C&I Energy Storage, with price, sales quantity, revenue, and global market share of Liquid Cooling Plates for C&I Energy Storage from 2021 to 2026.

Chapter 3, the Liquid Cooling Plates for C&I Energy Storage competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Liquid Cooling Plates for C&I Energy Storage breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Liquid Cooling Plates for C&I Energy Storage market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Liquid Cooling Plates for C&I Energy Storage.

Chapter 14 and 15, to describe Liquid Cooling Plates for C&I Energy Storage sales channel, distributors, customers, research findings and conclusion.

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