

# Global Aluminium Sheet for Battery Cooling Plate Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Aluminium Sheet for Battery Cooling Plate market size is expected to reach \$ 4526 million by 2032, rising at a market growth of 10.5% CAGR during the forecast period (2026-2032).

Aluminium Sheet for Battery Cooling Plate is a high-performance aluminum material designed for thermal management in electric vehicle battery systems, offering optimized thermal conductivity, corrosion resistance, and mechanical stability to ensure safe and efficient heat dissipation under demanding operating conditions. The capacity utilization rate in 2025 was 80%, and the industry's average gross margin was about 18%. In 2025, production was 1.21 million tons and the average price was USD 1,810 per ton. Upstream, key inputs include electrolytic aluminum, high-purity aluminum ingots, and aluminum-magnesium alloy additives, with representative suppliers such as Alcoa, Rio Tinto, China Hongqiao, and CHALCO. The midstream segment covers alloy melting, rolling, surface finishing, and precision processing that determine thermal performance, mechanical strength, and corrosion resistance. Downstream applications are focused on power battery and energy storage systems, with representative customers including CATL, BYD, Tesla, LG Energy Solution, and Contemporary Amperex Technology Co., where material quality and processing precision directly influence system reliability and efficiency.

Aluminium Sheet for Battery Cooling Plate is critical for managing heat in electric vehicle and stationary energy storage systems, where thermal stability and uniform dissipation directly impact battery life, efficiency, and safety. As battery capacities and energy densities increase, the demand for materials that combine high thermal conductivity, corrosion resistance, and mechanical integrity grows, particularly for applications in high-voltage, fast-charging, and long-cycle environments. OEMs and

battery manufacturers increasingly prioritize suppliers that can ensure consistent material quality, precise thickness control, and process reliability, as these factors affect overall thermal performance and system safety. Advances in alloy composition, surface treatment, and precision rolling enable better heat transfer and structural stability, supporting more compact and integrated battery pack designs. In addition, integration with energy storage systems for renewable and grid applications drives the need for scalable, reliable, and manufacturable aluminium sheets that can meet long-term performance and cost expectations while aligning with evolving regulatory and safety standards.

This report studies the global Aluminium Sheet for Battery Cooling Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aluminium Sheet for Battery Cooling Plate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Aluminium Sheet for Battery Cooling Plate that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Aluminium Sheet for Battery Cooling Plate total production and demand, 2021-2032, (Tons)

Global Aluminium Sheet for Battery Cooling Plate total production value, 2021-2032, (USD Million)

Global Aluminium Sheet for Battery Cooling Plate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Aluminium Sheet for Battery Cooling Plate consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Aluminium Sheet for Battery Cooling Plate domestic production, consumption, key domestic manufacturers and share

Global Aluminium Sheet for Battery Cooling Plate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Aluminium Sheet for Battery Cooling Plate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Aluminium Sheet for Battery Cooling Plate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Aluminium Sheet for Battery Cooling Plate

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 Norsk Hydro, Shanghai Huafon Aluminium Corporation, Chalco, Constellium, UACJ, Sakai aluminium Corporation, Hindalco Industries, Lotte Aluminum, Henan Mingtai Al.Industrial, Yong Jie New Material, 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 Aluminium Sheet for Battery Cooling Plate market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Aluminium Sheet for Battery Cooling Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Aluminium Sheet for Battery Cooling Plate Market, Segmentation by Type:

Aluminum Alloy 5052

Aluminum Alloy 6061

Others

### Global Aluminium Sheet for Battery Cooling Plate Market, Segmentation by Process:

Rolled Sheet

Extruded Profile

Others

### Global Aluminium Sheet for Battery Cooling Plate Market, Segmentation by Surface Treatment:

Anodizing

Passivation

Others

### Global Aluminium Sheet for Battery Cooling Plate Market, Segmentation by Application:

Power Battery

Energy Storage

Data Center

Others

**Companies Profiled:**

Norsk Hydro

Shanghai Huafon Aluminium Corporation

Chalco

Constellium

UACJ

Sakai aluminium Corporation

Hindalco Industries

Lotte Aluminum

Henan Mingtai Al.Industrial

Yong Jie New Material

**Key Questions Answered:**

1. How big is the global Aluminium Sheet for Battery Cooling Plate market?
2. What is the demand of the global Aluminium Sheet for Battery Cooling Plate market?
3. What is the year over year growth of the global Aluminium Sheet for Battery Cooling Plate market?
4. What is the production and production value of the global Aluminium Sheet for Battery Cooling Plate market?
5. Who are the key producers in the global Aluminium Sheet for Battery Cooling Plate market?
6. What are the growth factors driving the market demand?

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