

# **NCM for Aviation Batteries Market - A Global and Regional Analysis: Focus on Product, Application, and Country Analysis - Analysis and Forecast, 2025-2034**

<https://marketpublishers.com/r/NFF298AB2F28EN.html>

Date: June 2025

Pages: 0

Price: US\$ 4,900.00 (Single User License)

ID: NFF298AB2F28EN

## **Abstracts**

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at [order@marketpublishers.com](mailto:order@marketpublishers.com) with your request.

This report will be delivered in 7-10 working days. Global NCM for Aviation Batteries Market: Industry Overview

The NCM (Nickel Cobalt Aluminum) for Aviation Batteries market focuses on the application of NCM batteries in the aviation industry, particularly for electric aircraft and drones. NCM batteries are favored for their high energy density, thermal stability, and long cycle life, making them ideal for powering aviation systems where weight, performance, and reliability are crucial. The growing emphasis on sustainable aviation and the push for zero-emission aircraft are driving the adoption of electric propulsion systems, which in turn boosts the demand for advanced battery technologies like NCM. Key developments in the industry include innovations to improve energy efficiency, charging speed, and overall battery performance. Major players in the market, such as Xiamen Tungsten Co., Ltd, Zhenhua New Material, and BRNE Technology, are investing in research and development to enhance NCM battery capabilities. With increasing governmental support and technological advancements, the NCM for aviation batteries market is poised for significant growth.

NCM for Aviation Batteries Market: Lifecycle Stage

The NCM for Aviation Batteries market is currently in the growth stage of its lifecycle. With the aviation industry increasingly shifting toward sustainable and electric

propulsion systems, the demand for high-performance batteries like NCM is expanding. As governments and industries push for carbon-neutral aviation, NCM batteries, known for their high energy density and reliability, are becoming integral to electric aircraft and drone applications. Technological advancements in battery efficiency, along with the rise of new market players, are further fueling market development. While challenges like high production costs and infrastructure limitations remain, the market is experiencing significant investment, particularly in R&D and manufacturing capabilities. As electric aircraft and drones gain traction across commercial and military sectors, the market is expected to continue its growth, with increasing adoption and innovation driving long-term success.

### NCM for Aviation Batteries Market Segmentation:

#### Segmentation 1: by Application

eVTOL

Commercial Airliner

Military Aircraft

Spacecraft

The eVTOL is one of the prominent application segments in the global NCM for Aviation Batteries market.

#### Segmentation 2: by Product Type

5:2:3 ratio

6:2:2 ratio

8:1:1 ratio

The global NCM for Aviation Batteries market is estimated to be led by the 5:2:3 ratio segment in terms of product type.

### Segmentation 3: by Region

North America - U.S., Canada, and Mexico

Europe - Germany, France, Italy, Spain, U.K., and Rest-of-Europe

Asia-Pacific - China, Japan, South Korea, India, and Rest-of-Asia-Pacific

Rest-of-the-World - South America and Middle East and Africa

In the NCM for Aviation Batteries market, Asia-Pacific is anticipated to gain traction in terms of NCM for Aviation Batteries production, owing to the continuous growth in the adoption of electric vehicles and the presence of key manufacturers in the regions.

### NCM for Aviation Batteries Market: Demand – Drivers and Limitations

The following are the demand drivers for the global NCM for Aviation Batteries market:

Government Support for Green Aviation Technologies

Rising Demand for Electric Aircraft and Drones

The global NCM for Aviation Batteries market is expected to face some limitations as well due to the following challenges:

High Production Costs of NCM Batteries

Limited Charging Infrastructure for Electric Aircraft

### Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on thorough secondary research, which includes analyzing company coverage, product portfolio, market penetration, and insights gathered from primary experts.

Some of the prominent established names in this market are:

Xiamen Tungsten Co., Ltd

Zhenhua New Material

BRNE Technology

TODA KOGYO CROP

Umicore

L & F

Samsung SDI

LG Energy Solution

SK Innovation

BASF

Companies that are not a part of the previously mentioned pool have been well represented across different sections of the report (wherever applicable).

## Contents

Executive Summary  
Scope and Definition  
Market/Product Definition  
Key Questions Answered  
Analysis and Forecast Note

### **1. MARKETS: INDUSTRY OUTLOOK**

1.1 Trends: Current and Future Impact Assessment  
1.2 Stakeholder Analysis  
    1.2.1 Use Case  
    1.2.2 End User and Buying Criteria  
1.3 Market Dynamics Overview  
    1.3.1 Market Drivers  
    1.3.2 Market Restraints  
    1.3.3 Market Opportunities  
1.4 Regulatory & Policy Impact Analysis  
1.5 Patent Analysis  
1.6 Start-Up Landscape  
1.7 Investment Landscape and R&D Trends  
1.8 Future Outlook and Market Roadmap  
1.9 Supply Chain Analysis  
1.10 Value Chain Analysis  
1.11 Global Pricing Analysis  
1.12 Industry Attractiveness

### **2. NCM FOR AVIATION BATTERIES MARKET (BY APPLICATION)**

2.1 Application Segmentation  
2.2 Application Summary  
2.3 NCM for Aviation Batteries Market (by Application)  
    2.3.1 eVTOL  
    2.3.2 Commercial Airliner  
    2.3.3 Military Aircraft  
    2.3.4 Spacecraft

### **3. NCM FOR AVIATION BATTERIES MARKET (BY PRODUCT)**

### 3.1 Product Segmentation

### 3.2 Product Summary

### 3.3 NCM for Aviation Batteries Market (by Product Type)

#### 3.3.1 5:2:3 ratio

#### 3.3.2 6:2:2 ratio

#### 3.3.3 8:1:1 ratio

## **4. NCM FOR AVIATION BATTERIES MARKET (BY REGION)**

### 4.1 NCM for Aviation Batteries Market (by Region)

#### 4.2 North America

##### 4.2.1 Regional Overview

##### 4.2.2 Driving Factors for Market Growth

##### 4.2.3 Factors Challenging the Market

##### 4.2.4 Key Companies

##### 4.2.5 Application

##### 4.2.6 Product

##### 4.2.7 North America (by Country)

###### 4.2.7.1 U.S.

###### 4.2.7.1.1 Market by Application

###### 4.2.7.1.2 Market by Product

###### 4.2.7.2 Canada

###### 4.2.7.2.1 Market by Application

###### 4.2.7.2.2 Market by Product

###### 4.2.7.3 Mexico

###### 4.2.7.3.1 Market by Application

###### 4.2.7.3.2 Market by Product

#### 4.3 Europe

##### 4.3.1 Regional Overview

##### 4.3.2 Driving Factors for Market Growth

##### 4.3.3 Factors Challenging the Market

##### 4.3.4 Key Companies

##### 4.3.5 Application

##### 4.3.6 Product

##### 4.3.7 Europe (by Country)

###### 4.3.7.1 Germany

###### 4.3.7.1.1 Market by Application

###### 4.3.7.1.2 Market by Product

- 4.3.7.2 France
  - 4.3.7.2.1 Market by Application
  - 4.3.7.2.2 Market by Product
- 4.3.7.3 Italy
  - 4.3.7.3.1 Market by Application
  - 4.3.7.3.2 Market by Product
- 4.3.7.4 Spain
  - 4.3.7.4.1 Market by Application
  - 4.3.7.4.2 Market by Product
- 4.3.7.5 U.K.
  - 4.3.7.5.1 Market by Application
  - 4.3.7.5.2 Market by Product
- 4.3.7.6 Rest-of-Europe
  - 4.3.7.6.1 Market by Application
  - 4.3.7.6.2 Market by Product
- 4.4 Asia-Pacific
  - 4.4.1 Regional Overview
  - 4.4.2 Driving Factors for Market Growth
  - 4.4.3 Factors Challenging the Market
  - 4.4.4 Key Companies
  - 4.4.5 Application
  - 4.4.6 Product
  - 4.4.7 Asia-Pacific (by Country)
    - 4.4.7.1 China
      - 4.4.7.1.1 Market by Application
      - 4.4.7.1.2 Market by Product
    - 4.4.7.2 Japan
      - 4.4.7.2.1 Market by Application
      - 4.4.7.2.2 Market by Product
    - 4.4.7.3 India
      - 4.4.7.3.1 Market by Application
      - 4.4.7.3.2 Market by Product
    - 4.4.7.4 South Korea
      - 4.4.7.4.1 Market by Application
      - 4.4.7.4.2 Market by Product
    - 4.4.7.5 Rest-of-Asia-Pacific
      - 4.4.7.5.1 Market by Application
      - 4.4.7.5.2 Market by Product
- 4.5 Rest-of-the-World

- 4.5.1 Regional Overview
- 4.5.2 Driving Factors for Market Growth
- 4.5.3 Factors Challenging the Market
- 4.5.4 Key Companies
- 4.5.5 Application
- 4.5.6 Product
- 4.5.7 Rest-of-the-World (by Region)
  - 4.5.7.1 South America
    - 4.5.7.1.1 Market by Application
    - 4.5.7.1.2 Market by Product
  - 4.5.7.2 Middle East and Africa
    - 4.5.7.2.1 Market by Application
    - 4.5.7.2.2 Market by Product

## **5. MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES**

- 5.1 Next Frontiers
- 5.2 Geographic Assessment
- 5.3 Company Profiles
  - 5.3.1 Xiamen Tungsten Co., Ltd.
    - 5.3.1.1 Overview
    - 5.3.1.2 Top Products/Product Portfolio
    - 5.3.1.3 Top Competitors
    - 5.3.1.4 Target Customers
    - 5.3.1.5 Key Personnel
    - 5.3.1.6 Analyst View
    - 5.3.1.7 Market Share
  - 5.3.2 Zhenhua New Material
    - 5.3.2.1 Overview
    - 5.3.2.2 Top Products/Product Portfolio
    - 5.3.2.3 Top Competitors
    - 5.3.2.4 Target Customers
    - 5.3.2.5 Key Personnel
    - 5.3.2.6 Analyst View
    - 5.3.2.7 Market Share
  - 5.3.3 BRNE Technology
    - 5.3.3.1 Overview
    - 5.3.3.2 Top Products/Product Portfolio
    - 5.3.3.3 Top Competitors



- 5.3.3.4 Target Customers
- 5.3.3.5 Key Personnel
- 5.3.3.6 Analyst View
- 5.3.3.7 Market Share
- 5.3.4 TODA KOGYO CROP
  - 5.3.4.1 Overview
  - 5.3.4.2 Top Products/Product Portfolio
  - 5.3.4.3 Top Competitors
  - 5.3.4.4 Target Customers
  - 5.3.4.5 Key Personnel
  - 5.3.4.6 Analyst View
  - 5.3.4.7 Market Share
- 5.3.5 Umicore
  - 5.3.5.1 Overview
  - 5.3.5.2 Top Products/Product Portfolio
  - 5.3.5.3 Top Competitors
  - 5.3.5.4 Target Customers
  - 5.3.5.5 Key Personnel
  - 5.3.5.6 Analyst View
  - 5.3.5.7 Market Share
- 5.3.6 L & F
  - 5.3.6.1 Overview
  - 5.3.6.2 Top Products/Product Portfolio
  - 5.3.6.3 Top Competitors
  - 5.3.6.4 Target Customers
  - 5.3.6.5 Key Personnel
  - 5.3.6.6 Analyst View
  - 5.3.6.7 Market Share
- 5.3.7 Samsung SDI
  - 5.3.7.1 Overview
  - 5.3.7.2 Top Products/Product Portfolio
  - 5.3.7.3 Top Competitors
  - 5.3.7.4 Target Customers
  - 5.3.7.5 Key Personnel
  - 5.3.7.6 Analyst View
  - 5.3.7.7 Market Share
- 5.3.8 LG Energy Solution
  - 5.3.8.1 Overview
  - 5.3.8.2 Top Products/Product Portfolio

- 5.3.8.3 Top Competitors
- 5.3.8.4 Target Customers
- 5.3.8.5 Key Personnel
- 5.3.8.6 Analyst View
- 5.3.8.7 Market Share
- 5.3.9 SK Innovation
  - 5.3.9.1 Overview
  - 5.3.9.2 Top Products/Product Portfolio
  - 5.3.9.3 Top Competitors
  - 5.3.9.4 Target Customers
  - 5.3.9.5 Key Personnel
  - 5.3.9.6 Analyst View
  - 5.3.9.7 Market Share
- 5.3.10 BASF
  - 5.3.10.1 Overview
  - 5.3.10.2 Top Products/Product Portfolio
  - 5.3.10.3 Top Competitors
  - 5.3.10.4 Target Customers
  - 5.3.10.5 Key Personnel
  - 5.3.10.6 Analyst View
  - 5.3.10.7 Market Share
- 5.4 Other Key Companies

## **6. RESEARCH METHODOLOGY**

## List Of Figures

### LIST OF FIGURES

Figure 1: NCM for Aviation Batteries Market (by Scenario), \$Million, 2025, 2028, and 2034

Figure 2: NCM for Aviation Batteries Market (by Region), \$Million, 2024, 2027, and 2034

Figure 3: NCM for Aviation Batteries Market (by Application), \$Million, 2024, 2027, and 2034

Figure 4: NCM for Aviation Batteries Market (by Product), \$Million, 2024, 2027, and 2034

Figure 5: Competitive Landscape Snapshot

Figure 6: Supply Chain Analysis

Figure 7: Value Chain Analysis

Figure 8: Patent Analysis (by Country), January 2021-April 2025

Figure 9: Patent Analysis (by Company), January 2021-April 2025

Figure 10: Impact Analysis of Market Navigating Factors, 2024-2034

Figure 11: U.S. NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 12: Canada NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 13: Mexico NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 14: Germany NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 15: France NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 16: Italy NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 17: Spain NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 18: U.K. NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 19: Rest-of-Europe NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 20: China NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 21: Japan NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 22: India NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 23: South Korea NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 24: Rest-of-Asia-Pacific NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 25: South America NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 26: Middle East and Africa NCM for Aviation Batteries Market, \$Million, 2024-2034

Figure 27: Strategic Initiatives (by Company), 2021-2025

Figure 28: Share of Strategic Initiatives, 2021-2025

Figure 29: Data Triangulation

Figure 30: Top-Down and Bottom-Up Approach

## Figure 31: Assumptions and Limitations

## List Of Tables

### LIST OF TABLES

Table 1: Market Snapshot

Table 2: Opportunities across Region

Table 3: Trends Overview

Table 4: NCM for Aviation Batteries Market Pricing Forecast, 2024-2034

Table 5: Application Summary (by Application)

Table 6: Product Summary (by Product)

Table 7: NCM for Aviation Batteries Market (by Region), \$Million, 2024-2034

Table 8: North America NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 9: North America NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 10: U.S. NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 11: U.S. NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 12: Canada NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 13: Canada NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 14: Mexico NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 15: Mexico NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 16: Europe NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 17: Europe NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 18: Germany NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 19: Germany NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 20: France NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 21: France NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 22: Italy NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 23: Italy NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 24: Spain NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 25: Spain NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 26: U.K. NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 27: U.K. NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 28: Rest-of-Europe NCM for Aviation Batteries Market (by Application), \$Million,

2024-2034

Table 29: Rest-of-Europe NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 30: Asia-Pacific NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 31: Asia-Pacific NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 32: China NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 33: China NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 34: Japan NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 35: Japan NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 36: India NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 37: India NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 38: South Korea NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 39: South Korea NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 40: Rest-of-Asia-Pacific NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 41: Rest-of-Asia-Pacific NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 42: Rest-of-the-World NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 43: Rest-of-the-World NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 44: South America NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 45: South America NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 46: Middle East and Africa NCM for Aviation Batteries Market (by Application), \$Million, 2024-2034

Table 47: Middle East and Africa NCM for Aviation Batteries Market (by Product), \$Million, 2024-2034

Table 48: Market Share

## I would like to order

Product name: NCM for Aviation Batteries Market - A Global and Regional Analysis: Focus on Product, Application, and Country Analysis - Analysis and Forecast, 2025-2034

Product link: <https://marketpublishers.com/r/NFF298AB2F28EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NFF298AB2F28EN.html>