

Asia-Pacific Aerospace and Defense Battery Market - Analysis and Forecast, 2023-2033

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Abstracts

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Unlocking the Potential: Asia-Pacific Aerospace and Defense Battery Industry Overview

The Asia-Pacific aerospace and defense battery market is not just on the rise; it's soaring to new heights. By 2033, it's projected to reach an impressive \$5,536.8 million, a remarkable leap from \$2,097.8 million in 2022. That's a growth rate of 9.32% during the forecast period from 2023 to 2033. The Asia-Pacific region has been making waves in the global industry in recent years. With several emerging players and governments directing their focus towards cutting-edge battery technologies, modern recycling services, and the establishment of adoption-related standards, the aerospace and defense battery market in Asia-Pacific is poised to claim a substantial share of the global market during the forecast period.

Setting the Stage

The aerospace and defense battery market is currently witnessing remarkable growth and is all set to carve out a competitive niche in the industry. This market centers around the development, manufacturing, and supply of batteries and energy storage solutions meticulously crafted to meet the exacting demands of aerospace and defense applications. These batteries power an extensive array of equipment and systems, from aircraft, spacecraft, and UAVs to military vehicles, submarines, and various electronic devices crucial for defense and aerospace operations. Moreover, the persistent trend in the aerospace sector shifting towards electric and hybrid-electric propulsion systems is propelling the adoption of these batteries. This transition has fueled the demand for batteries with enhanced energy densities, extending the range and efficiency of electric

aircraft.

What's more, there's a robust emphasis on creating battery systems capable of enduring extreme conditions. These conditions include high temperatures, rapid altitude changes, and mechanical stress, all while ensuring safety remains uncompromised. Regional governments are lending their support to local manufacturers and research institutions, empowering them to innovate and pioneer advanced battery technology. Such technology can address temperature and altitude-related concerns within the aerospace sector with precision and sophistication. This, in turn, will further fuel the expansion of the aerospace and defense battery market during the forecast period.

Navigating the Market Landscape

Let's break down the market segmentation:

Segmentation 1: by Application (Platform)

Space

Satellite

Launch Vehicle

Deep Space

Aircraft

Military

Civil and Commercial

UAV

Military

Civil and Commercial

Defense

Ground Based

Marine Based

Segmentation 2: by Battery Type

Lithium-Based Battery

Lithium Polymer Battery

Lithium-Ion Battery

Nickel-Based Battery

Nickel-Cadmium (NiCd) Battery

Nickel-Metal Hydride Battery

Thermal Battery

Others

Segmentation 3: by Sales

OEM

Aftermarket

Segmentation 4: by Region

Asia-Pacific - China, India, Japan, Australia, and Rest-of-Asia-Pacific

Key Players on the Horizon

Leading the charge in Asia-Pacific are prominent manufacturers and suppliers, poised

to transform the aerospace and defense battery landscape. These industry stalwarts are at the forefront of innovation and change:

Hanwha Aerospace

Amita Technologies

Synergy ScienTech Corp

Coslight Technology

LG Chem

Guoxuan High-Tech

Lishen Technology

EVE Energy

Amperex Technology Limited (ATL)

BAK Battery

China Aviation Lithium Battery

Shenzhen BAK Battery

Exide Industries

Amara Raja Batteries

Luminous Power Technologies

Simplicell Technologies

Zener Power

Coslight India

Globe Batteries

Hindustan Zinc

Bharat Heavy Electricals Limited (BHEL)

Tata Power

GS Yuasa International Ltd.

Hitachi Chemical

NEC Energy Solutions

Toshiba Corporation

As the aerospace and defense battery market in Asia-Pacific takes flight, these visionary companies are at the forefront, shaping the future of the industry.

Contents

1 MARKET

1.1 Industry Outlook

1.1.1 Current and Emerging Technological Trends

1.1.1.1 Lithium Titanate Oxide (LTO) Batteries

1.1.1.2 Conformable Wearable Batteries (CWBs)

1.1.1.3 Solid-State Battery Technologies

1.1.1.4 Nickle-Zinc Batteries for Aerospace and Defense

1.1.2 Supply Chain Analysis

2 ASIA-PACIFIC

2.1 Global Aerospace and Defense Battery Market (by Region)

2.2 Asia-Pacific

2.2.1 Market

2.2.1.1 Key Manufacturers and Suppliers in Asia-Pacific

2.2.1.2 Business Drivers

2.2.1.3 Business Challenges

2.2.2 Application

2.2.2.1 Asia-Pacific Aerospace and Defense Battery Market (by Platform)

2.2.3 Product

2.2.3.1 Asia-Pacific Aerospace and Defense Battery Market (by Battery Type)

2.2.4 Asia-Pacific (by Country)

2.2.4.1 China

2.2.4.1.1 Market

2.2.4.1.1.1 Key Manufacturers and Suppliers in China

2.2.4.1.2 Product

2.2.4.1.2.1 China Aerospace and Defense Battery Market (by Battery Type), Value

2.2.4.2 India

2.2.4.2.1 Market

2.2.4.2.1.1 Key Manufacturers and Suppliers in India

2.2.4.2.2 Product

2.2.4.2.2.1 India Aerospace and Defense Battery Market (by Battery Type), Value

2.2.4.3 Japan

2.2.4.3.1 Market

2.2.4.3.1.1 Key Manufacturers and Suppliers in Japan

2.2.4.3.2 Product

- 2.2.4.3.2.1 Japan Aerospace and Defense Battery Market (by Battery Type), Value
- 2.2.4.4 Australia
 - 2.2.4.4.1 Market
 - 2.2.4.4.1.1 Key Manufacturers and Suppliers in Australia
 - 2.2.4.4.2 Product
 - 2.2.4.4.2.1 Australia Aerospace and Defense Battery Market (by Battery Type), Value
- 2.2.4.5 Rest-of-Asia-Pacific
 - 2.2.4.5.1 Market
 - 2.2.4.5.1.1 Key Manufacturers and Suppliers in Rest-of-Asia-Pacific
 - 2.2.4.5.2 Product
 - 2.2.4.5.2.1 Rest-of-Asia-Pacific Aerospace and Defense Battery Market (by Battery Type), Value

3 MARKET – COMPETITIVE BENCHMARKING & COMPANY PROFILES

3.1 Competitive Benchmarking

- 3.1.1 Market Share Analysis of Key Companies, 2022

3.2 Company Profiles

- 3.2.1 GS Yuasa International Ltd. International Ltd.

- 3.2.1.1 Company Overview

- 3.2.1.1.1 Role of GS Yuasa International Ltd. in the Global Aerospace and Defense Battery Market

- 3.2.1.1.2 Product Portfolio

- 3.2.1.2 Business Strategies

- 3.2.1.2.1 Product Developments and Fundings

- 3.2.1.3 Corporate Strategies

- 3.2.1.3.1 Partnerships, Collaborations, Contracts, and Agreements

- 3.2.1.4 Analyst View

4 GROWTH OPPORTUNITIES AND RECOMMENDATIONS

4.1 Growth Opportunities

- 4.1.1 Growth Opportunity 1: Development of Lightweight Batteries for UAVs in Defense Sector

- 4.1.1.1 Recommendation

- 4.1.2 Growth Opportunity 2: Adoption of Solid-State Batteries in Space Sector

- 4.1.2.1 Recommendation

- 4.1.3 Growth Opportunity 3: Innovation and Development of Lithium Metal Battery for

Aircraft Applications

4.1.3.1 Recommendation

5 RESEARCH METHODOLOGY

5.1 Factors for Data Prediction and Modeling

List Of Figures

LIST OF FIGURES

Figure 1: Asia-Pacific (APAC) Aerospace and Defense Battery Market, \$Billion, 2022-2033

Figure 2: Asia-Pacific (APAC) Aerospace and Defense Battery Market (by Platform), \$Billion, 2023 and 2033

Figure 3: Asia-Pacific (APAC) Aerospace and Defense Battery Market (by Battery Type), \$Billion, 2023 and 2033

Figure 4: Asia-Pacific (APAC) Aerospace and Defense Battery Market (by Lithium-Based Battery), \$Billion, 2023 and 2033

Figure 5: Asia-Pacific (APAC) Aerospace and Defense Battery Market (by Nickel-Based Battery), \$Billion, 2023 and 2033

Figure 6: Global Aerospace and Defense Battery Market (by Sales), \$Billion, 2023 and 2033

Figure 7: Supply Chain Analysis for Global Aerospace and Defense Battery Market

Figure 8: Global Aerospace and Defense Battery Market, Competitive Benchmarking

Figure 9: Research Methodology

Figure 10: Top-Down and Bottom-Up Approach

Figure 11: Assumptions and Limitations

List Of Tables

LIST OF TABLES

Table 1: Global Aerospace and Defense Battery Market (by Region), \$Million, 2022-2033

Table 2: Asia-Pacific Aerospace and Defense Battery Market (by Platform), \$Million, 2022-2033

Table 3: Asia-Pacific Aerospace and Defense Battery Market (by Space), \$Million, 2022-2033

Table 4: Asia-Pacific Aerospace and Defense Battery Market (by Aircraft), \$Million, 2022-2033

Table 5: Asia-Pacific Aerospace and Defense Battery Market (by UAV), \$Million, 2022-2033

Table 6: Asia-Pacific Aerospace and Defense Battery Market (by Defense), \$Million, 2022-2033

Table 7: Asia-Pacific Aerospace and Defense Battery Market (by Ground-Based), \$Million, 2022-2033

Table 8: Asia-Pacific Aerospace and Defense Battery Market (by Marine-Based), \$Million, 2022-2033

Table 9: Asia-Pacific Aerospace and Defense Battery Market (by Battery Type), \$Million, 2022-2033

Table 10: Asia-Pacific Aerospace and Defense Battery Market (by Lithium-Based Battery Type), \$Million, 2022-2033

Table 11: Asia-Pacific Aerospace and Defense Battery Market (by Nickel-Based Battery Type), \$Million, 2022-2033

Table 12: China Aerospace and Defense Battery Market (by Battery Type), \$Million, 2022-2033

Table 13: China Aerospace and Defense Battery Market (by Lithium-Based Battery Type), \$Million, 2022-2033

Table 14: China Aerospace and Defense Battery Market (by Nickel-Based Battery Type), \$Million, 2022-2033

Table 15: India Aerospace and Defense Battery Market (by Battery Type), \$Million, 2022-2033

Table 16: India Aerospace and Defense Battery Market (by Lithium-Based Battery Type), \$Million, 2022-2033

Table 17: India Aerospace and Defense Battery Market (by Nickel-Based Battery Type), \$Million, 2022-2033

Table 18: Japan Aerospace and Defense Battery Market (by Battery Type), \$Million,

2022-2033

Table 19: Japan Aerospace and Defense Battery Market (by Lithium-Based Battery Type), \$Million, 2022-2033

Table 20: Japan Aerospace and Defense Battery Market (by Nickel-Based Battery Type), \$Million, 2022-2033

Table 21: Australia Aerospace and Defense Battery Market (by Battery Type), \$Million, 2022-2033

Table 22: Australia Aerospace and Defense Battery Market (by Lithium-Based Battery Type), \$Million, 2022-2033

Table 23: Australia Aerospace and Defense Battery Market (by Nickel-Based Battery Type), \$Million, 2022-2033

Table 24: Rest-of-Asia-Pacific Aerospace and Defense Battery Market (by Battery Type), \$Million, 2022-2033

Table 25: Rest-of-Asia-Pacific Aerospace and Defense Battery Market (by Lithium-Based Battery Type), \$Million, 2022-2033

Table 26: Rest-of-Asia-Pacific Aerospace and Defense Battery Market (by Nickel-Based Battery Type), \$Million, 2022-2033

Table 27: Benchmarking and Weightage Parameters

Table 28: Market Shares of Key Companies, 2022

Table 29: GS Yuasa International Ltd.: Product Portfolio

Table 30: GS Yuasa International Ltd.: Product Developments and Fundings

Table 31: GS Yuasa International Ltd.: Partnerships, Collaborations, Contracts, and Agreements

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