

Asia-Pacific Electric Vehicle (EV) Battery Housing Market - Analysis and Forecast, 2023-2032

<https://marketpublishers.com/r/AC8F7EE799DBEN.html>

Date: February 2024

Pages: 93

Price: US\$ 2,950.00 (Single User License)

ID: AC8F7EE799DBEN

Abstracts

This report will be delivered in 1-5 working days.

Introduction to Asia-Pacific Electric Vehicle Battery Housing Market

The Asia-Pacific electric vehicle battery housing market (excluding China) is projected to reach \$1,888.2 million by 2032 from \$530.5 million in 2023, growing at a CAGR of 15.15% during the forecast period 2023-2032. The growth of the electric vehicle battery housing market is projected to be driven by increased interest in electric vehicles, the expansion of charging infrastructure, the requirement for lighter materials, and the quest for improved driving range, among other factors.

Market Introduction

The Asia-Pacific (APAC) electric vehicle battery housing market is experiencing robust growth, primarily driven by the soaring demand for electric vehicles (EVs) across the region. With governments encouraging eco-friendly transportation solutions and setting ambitious emissions reduction targets, there is a rapid adoption of EVs. The expansion of charging infrastructure, both in urban areas and along major roadways, further supports this growth. Moreover, lightweight materials are being increasingly employed in battery housings to enhance energy efficiency and driving range, aligning with the ever-evolving EV technology. Additionally, the APAC region boasts a thriving automotive manufacturing sector, making it a focal point for battery housing production. As a result, the APAC electric vehicle battery housing market is poised for continued expansion, offering significant opportunities for manufacturers, investors, and industry stakeholders in the evolving electric mobility landscape.

Market Segmentation:

Segmentation 1: by Cell Format

Pouch Cell

Cylindrical Cell

Prismatic Cell

Segmentation 2: by Vehicle Type

2-Wheeler

3-Wheeler

Off Road Vehicles

Commercial Vehicles

Passenger Vehicles

Segmentation 3: by Material Type

Steel

Aluminium

GFRP

CFRP

Segmentation 4: by Battery Chemistry Type

Lithium-Ion

Lead Acid

Others

Segmentation 5: by Component Type

Top Cover

Bottom Cover

Others

Segmentation 6: by Country

Japan

South Korea

Rest-of-Asia-Pacific and Japan

How can this report add value to an organization?

Product/Innovation Strategy: The leading electric vehicle OEMs are continuously working to manufacture and sell vehicles with higher range. The growing need for affordable and high-performing electric vehicle battery housing is one of the major factors for the growth of the electric vehicle battery housing market. The market is more on the consolidated side at present, where electric vehicle battery housing manufacturers have been successful to a certain extent in strengthening their market position in the APAC market. However, with the rise of electric vehicles with better ranges, the existing established players are expected to face stiff competition from emerging players. Moreover, partnerships and collaborations are expected to play a crucial role in strengthening market position over the coming years, with the companies focusing on bolstering their technological capabilities and gaining a dominant market share in the electric vehicle battery housing industry.

Growth/Marketing Strategy: The electric vehicle battery housing market has been

growing at a rapid pace. The market offers enormous opportunities for existing and emerging market players. Some of the strategies covered in this segment are mergers and acquisitions, product launches, partnerships and collaborations, business expansions, and investments. The strategies preferred by companies to maintain and strengthen their market position primarily include partnerships, agreements, and collaborations.

Competitive Strategy: The key players in the APAC electric vehicle battery housing market analyzed and profiled in the study include steel suppliers, aluminium suppliers, plastics suppliers, electric vehicle battery housings manufacturers that develop, maintain, and market electric vehicle battery housings. Moreover, a detailed competitive benchmarking of the players operating in the electric vehicle battery housing market has been done to help the reader understand the ways in which players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations are expected to aid the reader in understanding the untapped revenue pockets in the market.

Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on inputs gathered from primary experts and analyzing company coverage, product portfolio, and market penetration.

Some prominent names established in this market are:

UACJ Corporation

Mint Group

Hanwha Solutions Advanced Materials

Contents

Executive Summary

Scope of the Study

1 MARKETS

1.1 Industry Outlook

1.1.1 Electric Vehicle Trends: Current and Future

1.1.2 Electric Vehicle Battery Housing Market: Overview

1.1.2.1 Timeline: Evolution of the EV Battery Industry

1.1.2.2 Increasing EV Range: Decreasing Battery Pack Weight

1.1.2.3 Securing the Supply of Lithium-Ion Batteries by EV Manufacturers

1.1.3 Supply Chain Analysis

1.2 Business Dynamics

1.2.1 Business Drivers

1.2.1.1 Increasing Demand for EVs Globally

1.2.1.2 Rising Concern Toward the Environment

1.2.1.3 Increasing Government Support

1.2.1.4 Growing EV Battery Production and Robust Design Requirements

1.2.1.5 Continuously Declining Price of Li-Ion Battery

1.2.2 Business Challenges

1.2.2.1 Lack of Standardization

1.2.2.2 Underdeveloped Value Chain for Raw Materials in Developing Countries

1.2.2.3 Development of Electric Roads

1.2.3 Business Strategies

1.2.3.1 Product Development

1.2.3.2 Market Development

1.2.4 Corporate Strategies

1.2.4.1 Mergers and Acquisitions

1.2.4.2 Partnerships, Joint Ventures, Collaborations, and Alliances

1.2.5 Business Opportunities

1.2.5.1 Light Weight Battery Housing Systems: From Steel to Aluminum

1.2.5.2 Housing with Integrated Cooling Systems

1.2.5.3 Composite Battery Housings: Lightweight and Safe

1.2.5.4 Battery Swapping Systems

2 REGION

2.1 Asia-Pacific and Japan

2.1.1 Market

2.1.1.1 Key Manufacturers and Suppliers in Asia-Pacific and Japan

2.1.1.2 Business Challenges

2.1.1.3 Business Drivers

2.1.2 Application

2.1.2.1 Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Cell Format), Volume and Value Data

2.1.2.2 Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), Volume and Value Data

2.1.2.3 Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Vehicle Type), Volume and Value Data

2.1.3 Product

2.1.3.1 Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Material), Volume and Value Data

2.1.3.2 Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Component), Value Data

2.1.4 Asia-Pacific and Japan (by Country)

2.1.4.1 Japan

2.1.4.1.1 Market

2.1.4.1.1.1 Buyer's Attributes

2.1.4.1.1.2 Key Manufacturers and Suppliers in Japan

2.1.4.1.1.3 Business Challenges

2.1.4.1.1.4 Business Drivers

2.1.4.1.2 Application

2.1.4.1.2.1 Japan Electric Vehicle Battery Housing Market (by Cell Format), Volume and Value Data

2.1.4.1.2.2 Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), Volume and Value Data

2.1.4.1.2.3 Japan Electric Vehicle Battery Housing Market (by Vehicle Type), Volume and Value Data

2.1.4.1.3 Product

2.1.4.1.3.1 Japan Electric Vehicle Battery Housing Market (by Material), Volume and Value Data

2.1.4.1.3.2 Japan Electric Vehicle Battery Housing Market (by Component), Value Data

2.1.4.2 South Korea

2.1.4.2.1 Market

2.1.4.2.1.1 Buyer's Attributes

- 2.1.4.2.1.2 Key Manufacturers and Suppliers in South Korea
- 2.1.4.2.1.3 Business Challenges
- 2.1.4.2.1.4 Business Drivers
- 2.1.4.2.2 Application
 - 2.1.4.2.2.1 South Korea Electric Vehicle Battery Housing Market (by Cell Format), Volume and Value Data
 - 2.1.4.2.2.2 South Korea Electric Vehicle Battery Housing Market (by Battery Chemistry), Volume and Value Data
 - 2.1.4.2.2.3 South Korea Electric Vehicle Battery Housing Market (by Vehicle Type), Volume and Value Data
- 2.1.4.2.3 Product
 - 2.1.4.2.3.1 South Korea Electric Vehicle Battery Housing Market (by Material), Volume and Value Data
 - 2.1.4.2.3.2 South Korea Electric Vehicle Battery Housing Market (by Component), Value Data
- 2.1.4.3 Rest-of-Asia-Pacific and Japan
 - 2.1.4.3.1 Market
 - 2.1.4.3.2 Key Manufacturers and Suppliers in Rest-of-Asia-Pacific and Japan
 - 2.1.4.3.3 Business Challenges
 - 2.1.4.3.4 Business Drivers
 - 2.1.4.3.5 Application
 - 2.1.4.3.5.1 Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Cell Format), Volume and Value Data
 - 2.1.4.3.5.2 Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), Volume and Value Data
 - 2.1.4.3.5.3 Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Vehicle Type), Volume and Value Data
 - 2.1.4.3.6 Product
 - 2.1.4.3.6.1 Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Material), Volume and Value Data
 - 2.1.4.3.6.2 Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Component), Value Data
- 2.2 China
 - 2.2.1 Market
 - 2.2.1.1 Key Manufacturers and Suppliers in China
 - 2.2.1.2 Business Challenges
 - 2.2.1.3 Business Drivers
 - 2.2.2 Application
 - 2.2.2.1 China Electric Vehicle Battery Housing Market (by Cell Format), Volume and

Value Data

2.2.2.2 China Electric Vehicle Battery Housing Market (by Battery Chemistry),

Volume and Value Data

2.2.2.3 China Electric Vehicle Battery Housing Market (by Vehicle Type), Volume and Value Data

2.2.3 Product

2.2.3.1 China Electric Vehicle Battery Housing Market (by Material), Volume and Value Data

2.2.3.2 China America Electric Vehicle Battery Housing Market (by Component), Value Data

3 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

3.1 Key Suppliers

3.2 Competitive Benchmarking

3.2.1 Market Share Analysis

3.3 Company Profiles

3.3.1 UACJ Corporation

3.3.1.1 Company Overview

3.3.1.1.1 Role of UACJ Corporation in Electric Vehicle Battery Housing Market

3.3.1.1.2 Product Portfolio

3.3.1.2 R&D Analysis

3.3.1.3 Analyst View

3.3.2 Hanwha Solutions Advanced Materials

3.3.2.1 Company Overview

3.3.2.1.1 Role of Hanwha Solutions Advanced Materials in Electric Vehicle Battery Housing Market

3.3.2.1.2 Product Portfolio

3.3.2.1.2.1 Process Technology Analysis

3.3.2.2 Business Strategies

3.3.2.2.1 Market Developments

3.3.2.3 Analyst View

3.3.3 Minth Group

3.3.3.1 Company Overview

3.3.3.1.1 Role of Minth Group in Electric Vehicle Battery Housing Market

3.3.3.1.2 Product Portfolio

3.3.3.2 Corporate Strategies

3.3.3.2.1 Partnership and Collaboration

3.3.3.3 Business Strategies

- 3.3.3.3.1 Market Developments
- 3.3.3.4 R&D Analysis
- 3.3.3.5 Analyst View
- 3.3.4 Hitachi Metals, Ltd.
 - 3.3.4.1 Company Overview
 - 3.3.4.1.1 Role of Hitachi Metals, Ltd. in Electric Vehicle Battery Housing Market
 - 3.3.4.1.2 Product Portfolio
 - 3.3.4.2 R&D Analysis
 - 3.3.4.3 Analyst View
- 3.3.5 Teijin Limited
 - 3.3.5.1 Company Overview
 - 3.3.5.1.1 Role of Teijin Limited in the Electric Vehicle Battery Housing Market
 - 3.3.5.1.2 Product Portfolio
 - 3.3.5.1.2.1 Processing Technology Analysis
 - 3.3.5.2 Business Strategies
 - 3.3.5.2.1 Market Developments
 - 3.3.5.2.2 Product Developments
 - 3.3.5.3 R&D Analysis
 - 3.3.5.4 Analyst View

4 RESEARCH METHODOLOGY

- 4.1 Data Sources
 - 4.1.1 Primary Data Sources
 - 4.1.2 Secondary Data Sources
- 4.2 Market Estimation and Forecasting
 - 4.2.1 Top-Down and Bottom-Up Approach

List Of Figures

LIST OF FIGURES

Figure 1: Asia-Pacific Electric Vehicle Battery Housing Market Overview, \$Billion, 2022-2032

Figure 2: Asia-Pacific Electric Vehicle Battery Housing Market (by Vehicle Type), \$Million, 2022-2032

Figure 3: Asia-Pacific Electric Vehicle Battery Housing Market (by Material), \$Million, 2022-2032

Figure 4: Asia-Pacific Electric Vehicle Battery Housing Market (by Cell Format), \$Million, 2022-2032

Figure 5: Asia-Pacific Electric Vehicle Battery Housing Market (by Battery Chemistry), \$Million, 2022-2032

Figure 6: Asia-Pacific Electric Vehicle Battery Housing Market (by Component Type), \$Million, 2022-2032

Figure 7: Electric Vehicle Battery Housing Market (by Region), 2022

Figure 8: Industry Trends

Figure 9: Average Battery Housing Cost

Figure 10: Supply Chain Analysis of the Electric Vehicle Battery Housing Market

Figure 11: Business Dynamics: Electric Vehicle Battery Housing Market

Figure 12: Key Business Strategies, 2018-2022

Figure 13: Product Development (by Company), 2018-2022

Figure 14: Market Development (by Company), 2018-2022

Figure 15: Key Corporate Strategies, 2018-2022

Figure 16: Mergers and Acquisitions (by Company), 2018-2022

Figure 17: Partnerships, Joint Ventures, Collaborations, and Alliances (by Company), 2018-2022

Figure 18: Electric Vehicle Battery Housing Market: Competitive Benchmarking, 2022

Figure 19: UACJ Corporation: R&D Analysis, \$Million, 2020-2021

Figure 20: Minth Group: R&D Analysis, \$Million, 2020-2022

Figure 21: Hitachi Metals, Ltd.: R&D Analysis, \$Million, 2020-2022

Figure 22: Teijin Limited: R&D Analysis, \$Million, 2021-2022

Figure 23: Research Methodology

Figure 24: Top-Down and Bottom-Up Approach

Figure 25: Assumptions and Limitations

List Of Tables

LIST OF TABLES

Table 1: Asia-Pacific Electric Vehicle Battery Housing Market Overview

Table 2: Impact of Business Drivers

Table 3: Incentive Schemes Prevailing in Some Major Electric Vehicle-Producing Countries

Table 4: Impact of Business Restraints

Table 5: Impact of Business Opportunities

Table 6: Comparison of Different Materials for EV Battery Enclosure

Table 7: Effect of Thermal Conditions on EV Batteries

Table 8: Electric Vehicle Battery Housing Market (by Region), \$Million, 2022-2032

Table 9: Electric Vehicle Battery Housing Market (by Region), Million Units, 2022-2032

Table 10: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Cell Format), \$Million, 2022-2032

Table 11: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Cell Format), Million Units, 2022-2032

Table 12: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), \$Million, 2022-2032

Table 13: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), Million Units, 2022-2032

Table 14: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Vehicle Type), \$Million, 2022-2032

Table 15: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Vehicle Type), Thousand Units, 2022-2032

Table 16: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Material), \$Million, 2022-2032

Table 17: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Material), Million Units, 2022-2032

Table 18: Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Component), \$Million, 2022-2032

Table 19: Japan Electric Vehicle Battery Housing Market (by Cell Format), \$Million, 2022-2032

Table 20: Japan Electric Vehicle Battery Housing Market (by Cell Format), Thousand Units, 2022-2032

Table 21: Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), \$Million, 2022-2032

Table 22: Japan Electric Vehicle Battery Housing Market (by Battery Chemistry),

Thousand Units, 2022-2032

Table 23: Japan Electric Vehicle Battery Housing Market (by Vehicle Type), \$Million, 2022-2032

Table 24: Japan Electric Vehicle Battery Housing Market (by Vehicle Type), Thousand Units, 2022-2032

Table 25: Japan Electric Vehicle Battery Housing Market (by Material), \$Million, 2022-2032

Table 26: Japan Electric Vehicle Battery Housing Market (by Material), Thousand Units, 2022-2032

Table 27: Japan Electric Vehicle Battery Housing Market (by Component), \$Million, 2022-2032

Table 28: South Korea Electric Vehicle Battery Housing Market (by Cell Format), \$Million, 2022-2032

Table 29: South Korea Electric Vehicle Battery Housing Market (by Cell Format), Thousand Units, 2022-2032

Table 30: South Korea Electric Vehicle Battery Housing Market (by Battery Chemistry), \$Million, 2022-2032

Table 31: South Korea Electric Vehicle Battery Housing Market (by Battery Chemistry), Thousand Units, 2022-2032

Table 32: South Korea Electric Vehicle Battery Housing Market (by Vehicle Type), \$Million, 2022-2032

Table 33: South Korea Electric Vehicle Battery Housing Market (by Vehicle Type), Thousand Units, 2022-2032

Table 34: South Korea Electric Vehicle Battery Housing Market (by Material), \$Million, 2022-2032

Table 35: South Korea Electric Vehicle Battery Housing Market (by Material), Thousand Units, 2022-2032

Table 36: South Korea Electric Vehicle Battery Housing Market (by Component), \$Million, 2022-2032

Table 37: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Cell Format), \$Million, 2022-2032

Table 38: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Cell Format), Thousand Units, 2022-2032

Table 39: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), \$Million, 2022-2032

Table 40: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Battery Chemistry), Thousand Units, 2022-2032

Table 41: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Vehicle Type), \$Million, 2022-2032

Table 42: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Vehicle Type), Thousand Units, 2022-2032

Table 43: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Material), \$Million, 2022-2032

Table 44: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Material), Thousand Units, 2022-2032

Table 45: Rest-of-Asia-Pacific and Japan Electric Vehicle Battery Housing Market (by Component), \$Million, 2022-2032

Table 46: China Electric Vehicle Battery Housing Market (by Cell Format), \$Million, 2022-2032

Table 47: China Electric Vehicle Battery Housing Market (by Cell Format), Million Units, 2022-2032

Table 48: China Electric Vehicle Battery Housing Market (by Battery Chemistry), \$Million, 2022-2032

Table 49: China Electric Vehicle Battery Housing Market (by Battery Chemistry), Million Units, 2022-2032

Table 50: China Electric Vehicle Battery Housing Market (by Vehicle Type), \$Million, 2022-2032

Table 51: China Electric Vehicle Battery Housing Market (by Vehicle Type), Thousand Units, 2022-2032

Table 52: China Electric Vehicle Battery Housing Market (by Material), \$Million, 2022-2032

Table 53: China Electric Vehicle Battery Housing Market (by Material), Million Units, 2022-2032

Table 54: China America Electric Vehicle Battery Housing Market (by Component), \$Million, 2022-2032

Table 55: Who Supplies Whom

Table 56: Market Share Analysis, 2022

I would like to order

Product name: Asia-Pacific Electric Vehicle (EV) Battery Housing Market - Analysis and Forecast, 2023-2032

Product link: <https://marketpublishers.com/r/AC8F7EE799DBEN.html>

Price: US\$ 2,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AC8F7EE799DBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

