

Next-Generation Battery Market By Battery Type (Lithium-ion, Sodium-ion, Graphene Battery, Flow Battery, Metal Air Battery, Zinc-ion Battery, Others) , By Application (Electric Vehicles, Consumer Electronics, Renewable, Uninterruptible Power Supply (UPS) , Data Centers and Telecommunication, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

<https://marketpublishers.com/r/N5324D9E705BEN.html>

Date: July 2024

Pages: 320

Price: US\$ 2,601.00 (Single User License)

ID: N5324D9E705BEN

Abstracts

The next-generation battery market was valued at \$1.7 billion in 2023, and is projected to reach \$3.4 billion by 2033, growing at a CAGR of 7.2% from 2024 to 2033.

Next-generation batteries are advanced energy storage technology that exhibit higher energy densities, faster charging times, and longer service life as compared to conventional lithium-ion batteries. These innovative batteries, which include solid-state, lithium-sulfur, and silicon-anode technologies, offer superior performance, efficiency, and sustainability. Moreover, they aim to address critical challenges such as safety, cost, and environmental impact, making them pivotal in the evolution of electric vehicles, portable electronics, and renewable energy systems.

The growth of the global next-generation battery market is majorly driven by surge in adoption of electric vehicles. This is attributed to the fact that next-generation batteries offer higher energy densities, longer ranges, and faster charging times, addressing key concerns of electric vehicles consumers and manufacturers. According to the International Energy Agency (IEA), a Paris-based autonomous intergovernmental organization, over 3 million electric vehicles were sold in the first

quarter of 2024, around 25% higher as compared to 2023. This number is estimated to reach 17 million by the end of 2024, exhibiting a 20% year-on-year increase. Furthermore, surge in penetration of demand for longer lasting and faster charging batteries in consumer electronics, such as smartphones, laptops, and wearable devices, is driving the development and commercialization of advanced battery technologies. Thus, many smart devices are now being integrated with solid-state batteries, which offer faster charging times, higher energy density, and superior safety by replacing the liquid electrolyte with a solid one, which boosts the growth of the next-generation battery market. In addition, rise in need for more efficient energy storage systems in grid applications, backup power, and portable power solutions as well as increase in use of advanced batteries in industrial and commercial applications, including robotics, aerospace, and telecommunications, are boosting the growth of the global market. However, the market growth is significantly hampered by improper disposal practices of next-generation batteries that can lead to several environmental and health issues due to toxicity of chemical additives. In addition, safety issues associated with these batteries such as thermal instability or short-circuiting limit their adoption, thus restraining the market growth. Research and development for next-generation batteries require significant investment, which can be a barrier for many companies and delay commercialization. On the contrary, continuous innovations in battery technology, including solid-state, lithium-sulfur, and silicon-anode batteries, to enhance their performance, safety, and service life, are expected to offer remunerative opportunities for the growth of the global market during the forecast period.

The global next-generation batteries market is segmented into battery type, application, and region. By battery type, the market is classified into lithium-ion, sodium-ion, graphene battery, flow battery (vanadium and hybrid), metal air battery, zinc-ion battery, and others. On the basis of application, it is divided into electric vehicles, consumer electronics, renewable, uninterruptible power supply (UPS), data centers and telecommunication, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

By battery type, the others segment held the highest market share in 2023 and is expected to maintain its leadership status by 2033.

On the basis of application, electric vehicle emerged as a dominating segment, in terms of share, in 2023 and is projected to continue the same trend during the forecast

period.

Region wise, Asia-Pacific was the major revenue generator in 2023.

Competition Analysis

Competitive analysis and profiles of the major players in the global next-generation battery market include BYD Company Ltd., Samsung SDI Co., Ltd., Aesc Group Ltd., Toshiba Corporation, Hitachi High-Tech India Private Limited, Solid Power Inc., SES AI Corporation., ESS Tech, Inc., 24M, and PolyPlus. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to sustain the intense competition and strengthen their foothold in the global market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Analysis of raw material in a product (by %)

Manufacturing Capacity

Product Life Cycles

Supply Chain Analysis & Vendor Margins

Global Market Strategy

New Product Development/ Product Matrix of Key Players

Additional company profiles with specific client's interest

Brands Share Analysis

SWOT Analysis

Key Market Segments

By Battery Type

Lithium-ion

Sodium-ion

Graphene Battery

Flow Battery

Vanadium

Hybrid

Metal Air Battery

Zinc-ion Battery

Others

By Application

Electric Vehicles

Consumer Electronics

Renewable

Uninterruptible Power Supply (UPS)

Data Centers and Telecommunication

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

BYD Company Ltd.

SAMSUNG SDI CO., LTD

AESC GROUP LTD

Toshiba Corporation

Hitachi High-Tech India Private Limited

Solid Power Inc

SES AI Corporation.

ESS Tech, Inc.

24M

PolyPlus

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: LEGIONELLA TESTING KITS MARKET, BY TYPE

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Type
- 4.2. Culture Media
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Urine Antigen Testing
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country
- 4.4. Polymerase Chain Reaction
 - 4.4.1. Key Market Trends, Growth Factors and Opportunities
 - 4.4.2. Market Size and Forecast, By Region
 - 4.4.3. Market Share Analysis, By Country
- 4.5. Serology
 - 4.5.1. Key Market Trends, Growth Factors and Opportunities
 - 4.5.2. Market Size and Forecast, By Region
 - 4.5.3. Market Share Analysis, By Country
- 4.6. Direct Fluorescent Antibody Test
 - 4.6.1. Key Market Trends, Growth Factors and Opportunities
 - 4.6.2. Market Size and Forecast, By Region
 - 4.6.3. Market Share Analysis, By Country

CHAPTER 5: LEGIONELLA TESTING KITS MARKET, BY END USER

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By End User
- 5.2. Hospitals And Clinics
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Clinical Laboratories
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country
- 5.4. Others
 - 5.4.1. Key Market Trends, Growth Factors and Opportunities
 - 5.4.2. Market Size and Forecast, By Region
 - 5.4.3. Market Share Analysis, By Country

CHAPTER 6: LEGIONELLA TESTING KITS MARKET, BY REGION

- 6.1. Market Overview

- 6.1.1 Market Size and Forecast, By Region
- 6.2. North America
 - 6.2.1. Key Market Trends and Opportunities
 - 6.2.2. Market Size and Forecast, By Type
 - 6.2.3. Market Size and Forecast, By End User
 - 6.2.4. Market Size and Forecast, By Country
 - 6.2.5. U.S. Legionella Testing Kits Market
 - 6.2.5.1. Market Size and Forecast, By Type
 - 6.2.5.2. Market Size and Forecast, By End User
 - 6.2.6. Canada Legionella Testing Kits Market
 - 6.2.6.1. Market Size and Forecast, By Type
 - 6.2.6.2. Market Size and Forecast, By End User
 - 6.2.7. Mexico Legionella Testing Kits Market
 - 6.2.7.1. Market Size and Forecast, By Type
 - 6.2.7.2. Market Size and Forecast, By End User
- 6.3. Europe
 - 6.3.1. Key Market Trends and Opportunities
 - 6.3.2. Market Size and Forecast, By Type
 - 6.3.3. Market Size and Forecast, By End User
 - 6.3.4. Market Size and Forecast, By Country
 - 6.3.5. France Legionella Testing Kits Market
 - 6.3.5.1. Market Size and Forecast, By Type
 - 6.3.5.2. Market Size and Forecast, By End User
 - 6.3.6. Germany Legionella Testing Kits Market
 - 6.3.6.1. Market Size and Forecast, By Type
 - 6.3.6.2. Market Size and Forecast, By End User
 - 6.3.7. Italy Legionella Testing Kits Market
 - 6.3.7.1. Market Size and Forecast, By Type
 - 6.3.7.2. Market Size and Forecast, By End User
 - 6.3.8. Spain Legionella Testing Kits Market
 - 6.3.8.1. Market Size and Forecast, By Type
 - 6.3.8.2. Market Size and Forecast, By End User
 - 6.3.9. UK Legionella Testing Kits Market
 - 6.3.9.1. Market Size and Forecast, By Type
 - 6.3.9.2. Market Size and Forecast, By End User
 - 6.3.10. Rest of Europe Legionella Testing Kits Market
 - 6.3.10.1. Market Size and Forecast, By Type
 - 6.3.10.2. Market Size and Forecast, By End User
- 6.4. Asia-Pacific

- 6.4.1. Key Market Trends and Opportunities
- 6.4.2. Market Size and Forecast, By Type
- 6.4.3. Market Size and Forecast, By End User
- 6.4.4. Market Size and Forecast, By Country
- 6.4.5. China Legionella Testing Kits Market
 - 6.4.5.1. Market Size and Forecast, By Type
 - 6.4.5.2. Market Size and Forecast, By End User
- 6.4.6. Japan Legionella Testing Kits Market
 - 6.4.6.1. Market Size and Forecast, By Type
 - 6.4.6.2. Market Size and Forecast, By End User
- 6.4.7. India Legionella Testing Kits Market
 - 6.4.7.1. Market Size and Forecast, By Type
 - 6.4.7.2. Market Size and Forecast, By End User
- 6.4.8. South Korea Legionella Testing Kits Market
 - 6.4.8.1. Market Size and Forecast, By Type
 - 6.4.8.2. Market Size and Forecast, By End User
- 6.4.9. Australia Legionella Testing Kits Market
 - 6.4.9.1. Market Size and Forecast, By Type
 - 6.4.9.2. Market Size and Forecast, By End User
- 6.4.10. Rest of Asia-Pacific Legionella Testing Kits Market
 - 6.4.10.1. Market Size and Forecast, By Type
 - 6.4.10.2. Market Size and Forecast, By End User
- 6.5. LAMEA
 - 6.5.1. Key Market Trends and Opportunities
 - 6.5.2. Market Size and Forecast, By Type
 - 6.5.3. Market Size and Forecast, By End User
 - 6.5.4. Market Size and Forecast, By Country
 - 6.5.5. Brazil Legionella Testing Kits Market
 - 6.5.5.1. Market Size and Forecast, By Type
 - 6.5.5.2. Market Size and Forecast, By End User
 - 6.5.6. South Africa Legionella Testing Kits Market
 - 6.5.6.1. Market Size and Forecast, By Type
 - 6.5.6.2. Market Size and Forecast, By End User
 - 6.5.7. Saudi Arabia Legionella Testing Kits Market
 - 6.5.7.1. Market Size and Forecast, By Type
 - 6.5.7.2. Market Size and Forecast, By End User
 - 6.5.8. Rest of LAMEA Legionella Testing Kits Market
 - 6.5.8.1. Market Size and Forecast, By Type
 - 6.5.8.2. Market Size and Forecast, By End User

CHAPTER 7: COMPETITIVE LANDSCAPE

- 7.1. Introduction
- 7.2. Top Winning Strategies
- 7.3. Product Mapping of Top 10 Player
- 7.4. Competitive Dashboard
- 7.5. Competitive Heatmap
- 7.6. Top Player Positioning, 2023

CHAPTER 8: COMPANY PROFILES

- 8.1. IDEXX Laboratories, Inc.
 - 8.1.1. Company Overview
 - 8.1.2. Key Executives
 - 8.1.3. Company Snapshot
 - 8.1.4. Operating Business Segments
 - 8.1.5. Product Portfolio
 - 8.1.6. Business Performance
 - 8.1.7. Key Strategic Moves and Developments
- 8.2. Thermo Fisher Scientific
 - 8.2.1. Company Overview
 - 8.2.2. Key Executives
 - 8.2.3. Company Snapshot
 - 8.2.4. Operating Business Segments
 - 8.2.5. Product Portfolio
 - 8.2.6. Business Performance
 - 8.2.7. Key Strategic Moves and Developments
- 8.3. Merck Group KGaA
 - 8.3.1. Company Overview
 - 8.3.2. Key Executives
 - 8.3.3. Company Snapshot
 - 8.3.4. Operating Business Segments
 - 8.3.5. Product Portfolio
 - 8.3.6. Business Performance
 - 8.3.7. Key Strategic Moves and Developments
- 8.4. Pall Corporation
 - 8.4.1. Company Overview
 - 8.4.2. Key Executives

- 8.4.3. Company Snapshot
- 8.4.4. Operating Business Segments
- 8.4.5. Product Portfolio
- 8.4.6. Business Performance
- 8.4.7. Key Strategic Moves and Developments
- 8.5. Bio-Rad Laboratories, Inc.
 - 8.5.1. Company Overview
 - 8.5.2. Key Executives
 - 8.5.3. Company Snapshot
 - 8.5.4. Operating Business Segments
 - 8.5.5. Product Portfolio
 - 8.5.6. Business Performance
 - 8.5.7. Key Strategic Moves and Developments
- 8.6. Abbott Laboratories
 - 8.6.1. Company Overview
 - 8.6.2. Key Executives
 - 8.6.3. Company Snapshot
 - 8.6.4. Operating Business Segments
 - 8.6.5. Product Portfolio
 - 8.6.6. Business Performance
 - 8.6.7. Key Strategic Moves and Developments
- 8.7. Hygiena
 - 8.7.1. Company Overview
 - 8.7.2. Key Executives
 - 8.7.3. Company Snapshot
 - 8.7.4. Operating Business Segments
 - 8.7.5. Product Portfolio
 - 8.7.6. Business Performance
 - 8.7.7. Key Strategic Moves and Developments
- 8.8. Veolia Water Technologies
 - 8.8.1. Company Overview
 - 8.8.2. Key Executives
 - 8.8.3. Company Snapshot
 - 8.8.4. Operating Business Segments
 - 8.8.5. Product Portfolio
 - 8.8.6. Business Performance
 - 8.8.7. Key Strategic Moves and Developments
- 8.9. Pro-Lab Diagnostics
 - 8.9.1. Company Overview

- 8.9.2. Key Executives
- 8.9.3. Company Snapshot
- 8.9.4. Operating Business Segments
- 8.9.5. Product Portfolio
- 8.9.6. Business Performance
- 8.9.7. Key Strategic Moves and Developments
- 8.10. Phigenics, LLC
 - 8.10.1. Company Overview
 - 8.10.2. Key Executives
 - 8.10.3. Company Snapshot
 - 8.10.4. Operating Business Segments
 - 8.10.5. Product Portfolio
 - 8.10.6. Business Performance
 - 8.10.7. Key Strategic Moves and Developments

I would like to order

Product name: Next-Generation Battery Market By Battery Type (Lithium-ion, Sodium-ion, Graphene Battery, Flow Battery, Metal Air Battery, Zinc-ion Battery, Others) , By Application (Electric Vehicles, Consumer Electronics, Renewable, Uninterruptible Power Supply (UPS) , Data Centers and Telecommunication, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: <https://marketpublishers.com/r/N5324D9E705BEN.html>

Price: US\$ 2,601.00 (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/N5324D9E705BEN.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