

Global Solid-State Car Battery Market Size study, by Type (Single-cell Battery, Multi-cell Battery) by Rechargeability (Primary Battery, Secondary Battery) by Capacity (Below 20 mAh, Between 20 mAh and 500 mAh, Above 500 mAh) by Application (Consumer Electronics, Electric Vehicles, Energy Harvesting, Medical Devices, Packaging, Wireless Sensors) and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/G101B2BE2B3BEN.html>

Date: July 2021

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G101B2BE2B3BEN

Abstracts

Global Solid-State Car Battery Market is valued approximately USD XXX billion in 2020 and is anticipated to grow with a healthy growth rate of more than 34.2% over the forecast period 2021-2027.

A battery that uses a solid electrolyte. Solid state batteries are expected to be the next advance in batteries because they require less built-in safety technology than liquid electrolytes, which are flammable. As a result, solid state batteries are more compact, have longer battery life and recharge more quickly.

The rising requirement of solid-state batteries in electric vehicles, the increasing trend toward the miniaturization of consumer electronics, and growing R&D activities by major companies.

According to Cambridge England, During the next decade, solid-state batteries will become an appealing alternative to lithium-ion technology for electric vehicle manufacturers. It also claims that the solid-state battery market will top \$8 billion by 2031, claims a new report by IDTechEx.

Automotive engineers are intrigued by the potential of solid-state batteries, which may prove to be a game-changer in the EV race.

High setup and installation cost and complexities in the manufacturing process can be a

restraining factor. Also, Easy availability of conventional rechargeable batteries playing a major role. Rising demand for EVs expected to drive demand for solid-state batteries and store twice energy than lithium batteries.

The regional analysis of global Solid-State Car Battery market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America to be the fastest-growing region with a fast-growing demand for premium electric vehicles which will use solid-state car batteries in the coming years. The market in Europe is expected to grow in the coming years. This is due to strong emission regulations and a variety of subsidies, grants, and incentives for adopting EVs in countries such as Germany, France, Netherlands, Norway, Sweden, and the UK. The demand for solid-state batteries in electric vehicles will be growing with the increased demand for EVs and the mass production of solid-state car batteries.

Major market player included in this report are:

Cymbet

QuantumScap

Robert Bosch

Toyota Motor

Solid Power

Excellatron Solid State

BrightVolt

Samsung SDI

LG Chem

Proligium Technology

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Single-cell Battery

Multi-cell Battery

By Rechargeability:

Primary Battery

Secondary Battery

By Capacity:

Below 20 mAh,

Between 20 mAh and 500 mAh

Above 500 mAh

By Application:

Consumer Electronics

Electric Vehicles

Energy Harvesting

Medical Devices

Packaging

Wireless Sensors

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Global Solid-State Car Battery Market Size study, by Type (Single-cell Battery, Multi-cell Battery) by Recharg...

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Solid-State Car Battery Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Solid-State Car Battery Market, by Region, 2019-2027 (USD Billion)
 - 1.2.2. Solid-State Car Battery Market, by Type, 2019-2027 (USD Billion)
 - 1.2.3. Solid-State Car Battery Market, by Rechargeability, 2019-2027 (USD Billion)
 - 1.2.4. Solid-State Car Battery Market, by Capacity, 2019-2027 (USD Billion)
 - 1.2.5. Solid-State Car Battery Market, by Application, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL SOLID-STATE CAR BATTERY MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL SOLID-STATE CAR BATTERY MARKET DYNAMICS

- 3.1. Solid-State Car Battery Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing demand of Electric Vehicles
 - 3.1.1.2. Miniaturization of consumer electronics
 - 3.1.2. Market Challenges
 - 3.1.2.1. High setup and installation cost
 - 3.1.2.2. Complexities in the manufacturing process
 - 3.1.2.3. Easy availability of conventional rechargeable batteries
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising demand for EVs expected to drive demand for solid-state batteries

CHAPTER 4. GLOBAL SOLID-STATE CAR BATTERY MARKET INDUSTRY

Global Solid-State Car Battery Market Size study, by Type (Single-cell Battery, Multi-cell Battery) by Recharg...

ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)

4.2. PEST Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.3. Investment Adoption Model

4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SOLID-STATE CAR BATTERY MARKET, BY TYPE

5.1. Market Snapshot

5.2. Global Solid-State Car Battery Market by Type, Performance - Potential Analysis

5.3. Global Solid-State Car Battery Market Estimates & Forecasts by Type 2018-2027 (USD Billion)

5.4. Solid-State Car Battery Market, Sub Segment Analysis

5.4.1. Single-cell Battery

5.4.2. Multi-cell Battery

CHAPTER 6. GLOBAL SOLID-STATE CAR BATTERY MARKET, BY RECHARGEABILITY

6.1. Market Snapshot

6.2. Global Solid-State Car Battery Market by Rechargeability, Performance-Potential Analysis

6.3. Global Solid-State Car Battery Market Estimates & Forecasts by Rechargeability 2018-2027 (USD Billion)

6.4. Solid-State Car Battery Market, Sub Segment Analysis

6.4.1. Primary Battery

6.4.2. Secondary Battery

CHAPTER 7. GLOBAL SOLID-STATE CAR BATTERY MARKET, BY CAPACITY

- 7.1. Market Snapshot
- 7.2. Global Solid-State Car Battery Market by Capacity, Performance - Potential Analysis
- 7.3. Global Solid-State Car Battery Market Estimates & Forecasts by Capacity 2018-2027 (USD Billion)
- 7.4. Solid-State Car Battery Market, Sub Segment Analysis
 - 7.4.1. Below 20 mAh,
 - 7.4.2. Between 20 mAh and 500 mAh
 - 7.4.3. Above 500 mAh

CHAPTER 8.

- 8.1. Market Snapshot
- 8.2. Global Solid-State Car Battery Market by Application, Performance - Potential Analysis
- 8.3. Global Solid-State Car Battery Market Estimates & Forecasts by Application 2018-2027 (USD Billion)
- 8.4. Solid-State Car Battery Market, Sub Segment Analysis
 - 8.4.1. Consumer Electronics
 - 8.4.2. Electric Vehicles
 - 8.4.3. Energy Harvesting
 - 8.4.4. Medical Devices
 - 8.4.5. Packaging
 - 8.4.6. Wireless Sensors

CHAPTER 9. GLOBAL SOLID-STATE CAR BATTERY MARKET, REGIONAL ANALYSIS

- 9.1. Solid-State Car Battery Market, Regional Market Snapshot
- 9.2. North America Solid-State Car Battery Market
 - 9.2.1. U.S. Solid-State Car Battery Market
 - 9.2.1.1. Service breakdown estimates & forecasts, 2018-2027
 - 9.2.1.2. Rechargeability breakdown estimates & forecasts, 2018-2027
 - 9.2.2. Canada Solid-State Car Battery Market
- 9.3. Europe Solid-State Car Battery Market Snapshot
 - 9.3.1. U.K. Solid-State Car Battery Market
 - 9.3.2. Germany Solid-State Car Battery Market

- 9.3.3. France Solid-State Car Battery Market
- 9.3.4. Spain Solid-State Car Battery Market
- 9.3.5. Italy Solid-State Car Battery Market
- 9.3.6. Rest of Europe Solid-State Car Battery Market
- 9.4. Asia-Pacific Solid-State Car Battery Market Snapshot
 - 9.4.1. China Solid-State Car Battery Market
 - 9.4.2. India Solid-State Car Battery Market
 - 9.4.3. Japan Solid-State Car Battery Market
 - 9.4.4. Australia Solid-State Car Battery Market
 - 9.4.5. South Korea Solid-State Car Battery Market
 - 9.4.6. Rest of Asia Pacific Solid-State Car Battery Market
- 9.5. Latin America Solid-State Car Battery Market Snapshot
 - 9.5.1. Brazil Solid-State Car Battery Market
 - 9.5.2. Mexico Solid-State Car Battery Market
- 9.6. Rest of The World Solid-State Car Battery Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. Cymbet
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. QuantumScap
 - 10.2.3. Robert Bosch
 - 10.2.4. Toyota Motor
 - 10.2.5. Solid Power
 - 10.2.6. Excellatron Solid State
 - 10.2.7. BrightVolt
 - 10.2.8. Samsung SDI
 - 10.2.9. LG Chem
 - 10.2.10. Proligium Technology.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process

- 11.1.1. Data Mining
- 11.1.2. Analysis
- 11.1.3. Market Estimation
- 11.1.4. Validation
- 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Solid-State Car Battery Market, report scope

TABLE 2. Global Solid-State Car Battery Market estimates & forecasts by Region
2018-2027 (USD Billion)

TABLE 3. Global Solid-State Car Battery Market estimates & forecasts by Service
2018-2027 (USD Billion)

TABLE 4. Global Solid-State Car Battery Market estimates & forecasts by
Rechargeability 2018-2027 (USD Billion)

TABLE 5. Global Solid-State Car Battery Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 6. Global Solid-State Car Battery Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 7. Global Solid-State Car Battery Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 8. Global Solid-State Car Battery Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 9. Global Solid-State Car Battery Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 10. Global Solid-State Car Battery Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 11. Global Solid-State Car Battery Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 12. Global Solid-State Car Battery Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 13. Global Solid-State Car Battery Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 14. Global Solid-State Car Battery Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 15. U.S. Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD
Billion)

TABLE 16. U.S. Solid-State Car Battery Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 17. U.S. Solid-State Car Battery Market estimates & forecasts by segment
2018-2027 (USD Billion)

TABLE 18. Canada Solid-State Car Battery Market estimates & forecasts, 2018-2027
(USD Billion)

TABLE 19. Canada Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 20. Canada Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 21. UK Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. UK Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 23. UK Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 24. Germany Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 25. Germany Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Germany Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 27. RoE Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 28. RoE Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. RoE Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 30. China Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 31. China Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. China Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 33. India Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 34. India Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. India Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 36. Japan Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 37. Japan Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. Japan Solid-State Car Battery Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 39. RoAPAC Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 40. RoAPAC Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 41. RoAPAC Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 42. Brazil Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 43. Brazil Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 44. Brazil Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 45. Mexico Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 46. Mexico Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 47. Mexico Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 48. RoLA Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 49. RoLA Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 50. RoLA Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 51. Row Solid-State Car Battery Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 52. Row Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 53. Row Solid-State Car Battery Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 54. List of secondary sources, used in the study of global Solid-State Car Battery Market

TABLE 55. List of primary sources, used in the study of global Solid-State Car Battery Market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Solid-State Car Battery Market, research methodology
- FIG 2. Global Solid-State Car Battery Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Solid-State Car Battery Market, key trends 2020
- FIG 5. Global Solid-State Car Battery Market, growth prospects 2021-2027
- FIG 6. Global Solid-State Car Battery Market, porters 5 force model
- FIG 7. Global Solid-State Car Battery Market, pest analysis
- FIG 8. Global Solid-State Car Battery Market, value chain analysis
- FIG 9. Global Solid-State Car Battery Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Solid-State Car Battery Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Solid-State Car Battery Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Solid-State Car Battery Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Solid-State Car Battery Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Solid-State Car Battery Market, regional snapshot 2018 & 2027
- FIG 15. North America Solid-State Car Battery Market 2018 & 2027 (USD Billion)
- FIG 16. Europe Solid-State Car Battery Market 2018 & 2027 (USD Billion)
- FIG 17. Asia pacific Solid-State Car Battery Market 2018 & 2027 (USD Billion)
- FIG 18. Latin America Solid-State Car Battery Market 2018 & 2027 (USD Billion)
- FIG 19. Global Solid-State Car Battery Market, company market share analysis (2020)

I would like to order

Product name: Global Solid-State Car Battery Market Size study, by Type (Single-cell Battery, Multi-cell Battery) by Rechargeability (Primary Battery, Secondary Battery) by Capacity (Below 20 mAh, Between 20 mAh and 500 mAh, Above 500 mAh) by Application (Consumer Electronics, Electric Vehicles, Energy Harvesting, Medical Devices, Packaging, Wireless Sensors) and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/G101B2BE2B3BEN.html>

Price: US\$ 4,950.00 (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/G101B2BE2B3BEN.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