Solid State Battery Market by Type (Thin-Film, Portable Battery), Capacity, Application (Consumer Electronics, Electric Vehicles, Medical Devices, Packaging, RFID, Smart Card, Wearable Devices, Wireless Devices), and Region - Global Forecast to 2020

Description: "The need for advanced batteries in next-generation electrical devices would drive the solid state battery market"

The solid state battery market is estimated to grow at a CAGR of 72.33% during the forecast. The solid state battery market is driven by factors such as the increasing demand for solid state batteries in electric vehicles and need for batteries with extended lifespan, growing R&D activities by major companies, and increasing miniaturization of electrical devices.

"Portable devices to gain maximum growth during the forecast period"

The market for portable devices is estimated to contribute the highest growth rate during the forecast period. Furthermore, due to the advancements in portable devices, the portable devices are getting compact and require high energy for their working. As a result, the demand for the solid state battery in the portable devices segment is expected to grow at the highest rate in the future. The solid state market is also estimated to witness growth in the packing, smart cards, wearable devices, with portable devices segment contributing the largest market share during the forecast period.

"North America contributes largest market share"

The solid state battery market in the North American region held the largest market size in terms of value compared to other regions. This is due to the rapid adoption of advanced solid state batteries in various applications such as packaging, smart cards, wearable devices, and others in major counties of this region.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews were conducted with key people.

Breakup of profile of primary participants is given below:

- By Company Type: Tier 1 – 55%, Tier 2 – 20% and Tier 3 – 25%
- By Designation: C-level – 60%, Director level – 25%, Others – 15%
- By Region: North America – 10%, Europe – 20%, APAC – 40%, RoW – 30%

Due to rise in need for solid state batteries in the electric vehicles segment, many major players in the industry are developing advanced solid state batteries to address the current problems related to battery for electric vehicles. However, the solid state battery for the electric vehicles application is yet at its development stage and is expected to be commercialized in the next three to five years.

Major players in the solid state battery market include Cymbet Corporation (U.S.), Infinite Power Solutions, Inc. (U.S.), Robert Bosch GmbH (Germany), Toyota Motor Corporation (Japan), Planar Energy Devices, Inc. (U.S.), Sakti3 Inc. (U.S.), Excellatron Solid State, LLC (U.S.), Solid Power, Inc. (U.S.), BrightVolt, Inc. (U.S.), and STMicroelectronics N.V. (Switzerland) among others.

The report will help the market leaders/new entrants in this market in the following ways:

1. This report segments the solid state battery market comprehensively and provides the closest approximations of the revenue numbers for the overall market and the subsegments across the different verticals and regions.
2. The report helps stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to better understand the competitor and gain more insights to better their position in the business. The competitive landscape section includes competitor ecosystem,
new product developments, partnerships, mergers & acquisitions.

Contents:

1 Introduction
1.1 Objectives Of The Study
1.2 Market Definition
1.3 Study Scope
1.3.1 Markets Covered
1.3.2 Years Considered For The Study
1.4 Currency
1.5 Limitations
1.6 Stakeholders

2 Research Methodology
2.1 Research Data
2.1.1 Secondary Data
2.1.1.1 Key Data From Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data From Primary Sources
2.1.2.2 Key Industry Insights
2.1.2.3 Breakdown Of Primaries
2.2 Market Size Estimation
2.2.1 Bottom-Up Approach
2.2.2 Top-Down Approach
2.3 Market Breakdown & Data Triangulation
2.4 Research Assumptions

3 Executive Summary

4 Premium Insights – Solid State Battery Market
4.1 Solid State Battery Market, 2015–2020 (Usd Million)
4.2 Solid State Battery Market For Key Applications (2015–2020)
4.3 Solid State Battery Market, By Type And Region – 2015
4.4 Solid State Battery Market, By Region – 2015
4.5 Solid State Battery, By Capacity 2015– 2020

5 Market Overview
5.1 Introduction
5.2 Evolution
5.3 Market Segmentation
5.3.1 By Type
5.3.2 By Capacity
5.3.3 By Application
5.3.4 By Region
5.4 Market Dynamics
5.4.1 Drivers
5.4.1.1 Requirement For The Sold State Battery In Electric Vehicles
5.4.1.2 Solid State Battery Is Expected To Have An Extended Shelf Life
5.4.1.3 Growing R&D Activities By Major Companies To Accelerate The Growth Of The Market
5.4.1.4 Increasing Trend Of Miniaturization Of Electronic Devices Expected To Drive This Market
5.4.2 Restraints
5.4.2.1 Complexities In The Manufacturing Process Of The Solid State Battery
5.4.2.2 High Setup And Installation Cost As A Restraint In The Market
5.4.3 Opportunities
5.4.3.1 Growth Of Electric Vehicle Has Created A Huge Opportunity For The Solid State Battery
5.4.3.2 Advancement In Wearable Devices Is Likely To Act As An Opportunity For Thin-Film Solid State Batteries
5.4.4 Challenges
5.4.4.1 Manufacturing Cost-Effective Solid State Battery Acts As A Challenge

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Industry Trend
6.3.1 Solid Oxide Fuel Cell
6.3.2 3D Printed Battery
6.4 Porter’S Five Forces Model
6.4.1 Threats Of New Entrants
6.4.2 Threats Of Substitutes
6.4.3 Bargaining Power Of Suppliers
6.4.4 Bargaining Power Of Buyers
6.4.5 Industry Rivalry

7 Solid State Battery Market Analysis, By Type
7.1 Introduction
7.2 Thin-Film Batteries
7.3 Portable Batteries
7.4 Other Batteries

8 Market Analysis, By Capacity
8.1 Introduction
8.2 Battery Capacity: Less Than 20 Mah
8.3 Battery Capacity: Between 20 Mah And 500 Mah
8.4 Battery Capacity: 500 Mah And Above

9 Market Analysis, By Application
9.1 Introduction
9.2 Consumer Electronics
9.3 Electric Vehicle
9.4 Energy Harvesting
9.5 Entertainment
9.6 Medical Devices
9.7 Packaging
9.8 Portable Devices
9.9 Smart Cards
9.10 Wearable Devices
9.11 Wireless Communication
9.12 Others

10 Market Analysis, By Region
10.1 Introduction
10.2 North America
10.3 Europe
10.4 Asia-Pacific
10.5 Rest Of The World

11 Competitive Landscape
11.1 Overview
11.2 Market Ranking Analysis, 2014
11.3 Competitive Situation And Trends
11.3.1 New Product Launches
11.3.2 Acquisitions, Collaborations, & Contracts
11.3.3 Expansions & Investments

12 Company Profiles
(Overview, Products And Services, Financials, Strategy & Development)*
12.1 Introduction
12.2 Cymbet Corporation
12.3 Robert Bosch GMBH
12.4 Stmicroelectronics N.V.
12.5 Toyota Motor Corporation
12.6 Sakti3 Inc.
12.7 Brightvolt, Inc.
12.8 Excellatron Solid State, LLC
12.9 Infinite Power Solution, Inc.
12.10 Planar Energy Devices, Inc.
12.11 Solid Power, Inc.
*Details On Overview, Products And Services, Financials, Strategy & Development Might Not Be Captured In
Case Of Unlisted Companies

13 Appendix
13.1 Insights Of Industry Experts
13.2 Discussion Guide
13.3 Introducing Rt: Real-Time Market Intelligence
13.4 Available Customizations
13.5 Related Reports

List Of Tables

Table 1 Solid State Battery Market Size (2013–2020)
Table 2 Solid State Battery Market: Drivers
Table 3 Solid State Battery Market: Restraints
Table 4 Solid State Battery Market: Opportunities
Table 5 Solid State Battery Market: Challenges
Table 6 Solid State Battery Market Size, By Type, 2013–2020 (USD Million)
Table 7 Thin-Film Battery Market Size, By Application, 2013–2020 (USD Million)
Table 8 Portable Battery Market Size, By Application, 2013–2020 (USD Million)
Table 9 Other Batteries Market Size, By Application, 2013–2020 (USD Million)
Table 10 Solid State Battery Market Size, By Capacity, 2013–2020 (USD Million)
Table 11 Solid State Battery Market Size For Less Than 20 Mah Capacity, By Application, 2013–2020 (USD Million)
Table 12 Solid State Battery Market Size For Between 20 Mah And 500 Mah Capacity, By Application, 2013–2020 (USD Million)
Table 13 Solid State Battery Market Size For 500 Mah And Above Capacity, By Application, 2013–2020 (USD Million)
Table 14 Solid State Battery Market Size, By Type, 2013–2020 (USD Million)
Table 15 Consumer Electronics Market Size, By Component, 2013–2020 (USD Million)
Table 16 Solid State Battery Market Size For Consumer Electronics Application, By Type, 2013–2020 (USD Million)
Table 17 Solid State Battery Market Size For Consumer Electronics Application, By Capacity, 2013–2020 (USD Million)
Table 18 Solid State Battery Market Size For Consumer Electronics Applications, By Region, 2013–2020 (USD Million)
Table 19 Solid State Battery Market Size For Electric Vehicles Application, By Type, 2013–2020 (USD Million)
Table 20 Solid State Battery Market Size For Electric Vehicles Application, By Capacity, 2013–2020 (USD Million)
Table 21 Solid State Battery Market Size For Electric Vehicles Application, By Region, 2013–2020 (USD Million)
Table 22 Solid State Battery Market Size For Energy Harvesting Application, By Type, 2013–2020 (USD Million)
Table 23 Solid State Battery Market Size For Energy Harvesting Application, By Capacity, 2013–2020 (USD Million)
Table 24 Solid State Battery Market Size For Energy Harvesting Application, By Region, 2013–2020 (USD Million)
Table 25 Solid State Battery Market Size For Entertainment Application, By Type, 2013–2020 (USD Million)
Table 26 Solid State Battery Market Size For Entertainment Application, By Capacity, 2013–2020 (USD Million)
Table 27 Solid State Battery Market Size For Entertainment Application, By Region, 2013–2020 (USD Million)
Table 28 Solid State Battery Market Size For Medical Devices Application, By Type, 2013–2020 (USD Million)
Table 29 Solid State Battery Market Size For Medical Devices Application, By Capacity, 2013–2020 (USD Million)
Table 30 Solid State Battery Market Size For Medical Devices Application, By Region, 2013–2020 (USD Million)
Table 31 Solid State Battery Market Size For Medical Devices Application, By Capacity, 2013–2020 (USD Million)
Table 32 Solid State Battery Market Size For Medical Devices Application,
By Region, 2013–2020 (USD Million)
Table 33 Solid State Battery Market Size For Packaging Application, By Type, 2013–2020 (USD Million)
Table 34 Smart Label Market Size, By Type, 2013–2020 (USD Million)
Table 35 Solid State Battery Market Size For Packaging Application, By Capacity, 2013–2020 (USD Million)
Table 36 Solid State Battery Market Size For Packaging Application, By Region, 2013–2020 (USD Million)
Table 37 Solid State Battery Market Size For Portable Devices Application, By Type, 2013–2020 (USD Million)
Table 38 Solid State Battery Market Size For Portable Devices Application, By Capacity, 2013–2020 (USD Million)
Table 39 Solid State Battery Market Size For Portable Devices Application, By Region, 2013–2020 (USD Million)
Table 40 Solid State Battery Market Size For Smart Cards Application, By Type, 2013–2020 (USD Million)
Table 41 Solid State Battery Market Size For Smart Cards Application, By Capacity, 2013–2020 (USD Million)
Table 42 Solid State Battery Market Size For Smart Cards Application, By Region, 2013–2020 (USD Million)
Table 43 Solid State Battery Market Size For Wearable Devices Application, By Type, 2013–2020 (USD Million)
Table 44 Solid State Battery Market Size For Wearable Devices Application, By Capacity, 2013–2020 (USD Million)
Table 45 Solid State Battery Market Size For Wearable Devices Application, By Region, 2013–2020 (USD Million)
Table 46 Internet Of Things Market Size, By Application, 2013–2020 (USD Billion)
Table 47 Solid State Battery Market Size For Wireless Communication Application, By Type, 2013–2020 (USD Million)
Table 48 Solid State Battery Market Size For Wireless Communication Application, By Capacity, 2013–2020 (USD Million)
Table 49 Solid State Battery Market Size For Wireless Communication Application, By Region, 2013–2020 (USD Million)
Table 50 Solid State Battery Market Size For Other Applications, By Type, 2013–2020 (USD Million)
Table 51 Solid State Battery Market Size For Other Applications, By Capacity, 2013–2020 (USD Million)
Table 52 Solid State Battery Market Size For Other Applications, By Region, 2013–2020 (USD Million)
Table 53 Solid State Battery Market Size, By Region, 2013–2020 (USD Million)
Table 54 North America: Solid State Battery Market Size, By Country, 2013–2020 (USD Million)
Table 55 North America: Solid State Battery Market Size, By Application, 2013–2020 (USD Million)
Table 56 Europe: Solid State Battery Market Size, By Country, 2013–2020 (USD Million)
Table 57 Europe: Solid State Battery Market Size, By Application, 2013–2020 (USD Million)
Table 59 Apac: Solid State Battery Market Size, By Application, 2013–2020 (USD Million)
Table 60 Row: Solid State Battery Market Size, By Region, 2013–2020 (USD Million)
Table 61 Row: Solid State Battery Market Size, By Application, 2013–2020 (USD Million)
Table 63 Most Significant New Product Launches In The Solid State Battery Market
Table 64 Most Significant Acquisitions, Collaborations, & Contracts In The Solid State Battery Market
Table 65 Most Significant Expansions & Investments In The Solid State Battery Market

List Of Figures
In 2015
Figure 50 Asia-Pacific Expected To Hold A Large Market Share Of The Portable Devices Market By 2020
Figure 51 North America To Show A Potential Growth In The Smart Cards Market In Terms Of Value By 2020
Figure 52 The Wearable Devices Market In Asia-Pacific Would Grow At The Highest Cagr During 2015–2020
Figure 53 Batteries With The Capacity Of Less Than 20 Mah Would Hold The Largest Share Of The Wireless Communication Market In 2016
Figure 54 North America Expected To Hold The Largest Market Share In 2015 Of The Solid State Market For Other Applications
Figure 55 Geographic Snapshot (2015): Rapidly Growing Markets Such As Mexico And France Are Emerging As Potential New Markets
Figure 56 North America Expected To Hold The Largest Market Share Of The Solid State Battery Market In 2015
Figure 57 North American Market Snapshot: Demand Expected To Be Driven By Portable Devices Between 2015 And 2020
Figure 58 The U.S. To Hold The Largest Market Share Of The North American Solid State Battery Market In 2015
Figure 59 France Expected To Show A Potential Growth Between 2015 And 2020
Figure 60 Apac Market Snapshot: Market Expected To Be Driven By The Packaging Application
Figure 61 China Expected To Account For The Largest Share Of The Solid State Battery Market Between 2015 And 2020
Figure 62 Latin America Expected To Lead The Row Market By 2020
Figure 63 Companies Adopted Product Innovation As The Key Growth Strategy Between 2013 And 2015
Figure 64 Market Evaluation Framework 2014 And 2015
Figure 65 Battle For Market Share: New Product Launch Was The Key Strategy
Figure 66 Geographic Revenue Mix Of Top Three Solid State Battery Market Players
Figure 67 Cymbet Corp.: Swot Analysis
Figure 68 Robert Bosch Gmbh: Company Snapshot
Figure 69 Robert Bosch Gmbh: Swot Analysis
Figure 70 Stmicroelectronics N.V.: Company Snapshot
Figure 71 Stmicroelectronics N.V.: Swot Analysis
Figure 72 Toyota Motor Corp.: Company Snapshot
Figure 73 Toyota Motor Corp.: Swot Analysis
Figure 74 Sakti3 Inc.: Swot Analysis

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3515843/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Solid State Battery Market by Type (Thin-Film, Portable Battery), Capacity, Application (Consumer Electronics, Electric Vehicles, Medical Devices, Packaging, RFID, Smart Card, Wearable Devices, Wireless Devices), and Region - Global Forecast to 2020

Web Address: http://www.researchandmarkets.com/reports/3515843/
Office Code: SCPLXVNT

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World