AN ISO 9001 : 2015 CERTIFIED COMPANY

Market Research Report on India Lithium-Ion Battery Market, Growth Rate, Size, Share, Trend, Drivers, Competitive Landscape, Opportunity, Limitations, Technological Landscape, Regulatory Framework, PESTEL Analysis, PORTER's Analysis, Forecast upto 2027

FREE SAMPLE: contents and introduction of the 95-page book
Price: Rs 53,100 | US$ 1,200

Order the full book >

AN ISO 9001 : 2015 CERTIFIED COMPANY

Author: NPCS Team
Format: paperback
Code: NI319
Pages: 95
Price: Rs 53,100 | US$ 1,200
Publisher: NIIR PROJECT CONSULTANCY SERVICES
Shipping: 4 days

About the Book

Market Research Report on India Lithium-Ion Battery Market, Growth Rate, Size, Share, Trend, Drivers, Competitive Landscape, Opportunity, Limitations, Technological Landscape, Regulatory Framework, PESTEL Analysis, PORTER's Analysis, Forecast upto 2027
Market By Type (Lithium Cobalt Oxide, Lithium Manganese Oxide, Lithium Iron Phosphate, and Others), By Components (Cathode, Anode, Electrolytic Solution, and Others), By Application (Consumer Electronics, Industrial, and Automotive), and By Region (North India, South India, West India, and East India)
The report titled India Lithium-Ion Battery Market, Growth Rate, Size, Share, Trend, Drivers, Competitive Landscape, Opportunity, Limitations, Technological Landscape, Regulatory Framework, PESTEL Analysis, PORTER's Analysis, Forecast upto 2027 released by Niir Project Consultancy Services, provides a comprehensive analysis on Indian Lithium Ion Battery Market. The report begins with a brief insight into the scenario of the India Lithium Ion Battery industry giving details about market size, market segmentation, competitive landscape and regional information. The report analyzes the lithium Ion Battery market in profundity by covering data points like industry growth drivers, limitations, opportunity emerging trends coupled with technological landscape of the market and the regulatory framework surrounding the market.
The India Lithium Ion Battery market is expected to drive due to technological advancement coupled with the surge in acceptance of EV across the region
The India Lithium-Ion Battery market projected to reach USD 7 billion at a significant CAGR of over 28% during the forecasted period of 2020-2027 due to the rise in the adoption of electric vehicles across the region. Additionally, the fueling demand for smart devices, coupled with the other consumer products, is one of the primary factors that is projected to drive the Indian lithium-ion batteries market at a significant growth rate. In addition, the strong need for lithium-ion batteries for automotive purposes is anticipated to drive the market. Furthermore, the stringent government controls relevant to CO2 pollution is pushing the lithium-ion battery sector. Moreover, the growing need for eco-friendly energy storage solutions further expected to propel the market for these energy storage solutions. In addition, the declining price of lithium-ion batteries is estimated

to provide opportunities for market growth.
Type Overview in the India Lithium Ion Battery Market
Based on the Type, the India Lithium Ion Battery market segregated into by Lithium Cobalt Oxide, Lithium Manganese Oxide, Lithium Iron Phosphate, and Others. The Lithium Cobalt Oxide segment is estimated to have a significant growth rate during the forecasted period of 2020-2027 across the region owing to its extensive uses, including in telecommunications, laptops, video cameras, and wearables. In addition, the primary purpose of the Lithium Iron Phosphate battery is in electric vehicle power batteries.
However, the Lithium Cobalt Oxide type segment is projected to have a lucrative growth rate over the forecasted period by 2027 due to the high energy density of Lithium Cobalt Oxide batteries.
Component Technology Segmental Analysis
Based on the component technology, the Indian Lithium Ion Battery market segregated into Cathode, Anode, Electrolytic Solution, and Others. The cathode component segment is estimated to hold the largest share during the forecasted period of 2020-2027 across the region as the cathode commonly used in lithium-ion battery production. The cathode often used for the development of positive electrodes for the battery cells. Additionally, cathodes have high density and superior power output for lithium-ion batteries, which is predicted to boost the Indian market substantially.
However, the Electrolytic Solution segment is predicted to have a considerable growth rate over the forecasted period by 2027. This is due to the secure, and long-lasting battery needs a durable electrolyte, which can endure current-voltage and elevated temperatures. The electrolyte has a long shelf life, thus providing high lithium-ion durability, which is projected to fuel the Indian market.
Application Segmental Analysis
Based on the application, the Indian Lithium Ion Battery market segregated into Consumer Electronics, Industrial, and Automotive. The automotive application is expected to be the fastest growing in the Indian lithium-ion battery market due to its fast recharge capability, and high energy density as lithium-ion batteries are the only viable technologies that are capable of fulfilling OEM specifications for automotive drive range and charging time. In addition, the growing acceptance and recognition of EVs, legislation promoting the use of EVs, and government initiatives, around the nation are the factors expected to drive the development of the lithium-ion battery industry at a substantial growth rate.
Regional Overview in the India Lithium Ion Battery Market
By geography, the India Lithium Ion Battery market segmented into North India, South India, West India, and East India. South region is projected to lead the market by 2027, owing to the region's propelling consumer electronics industry.
India Lithium Ion Battery Market: Competitive Landscape
Companies such as Exide Industries, Mahindra & Mahindra Limited, ACME Cleantech Solutions Private Limited, Reliance Industries Limited, NEC India Private Limited, Adani Enterprise Ltd, JSW Group, Denso Corp., Samsung SDI Co. Ltd., Rajamane Telectric Pvt. Ltd, Suzuki Motor Corp., Bharat Heavy Electricals Ltd., and other prominent players are the key players in the India Lithium Ion Battery market.

Contents

Table of Contents
1 Research Objective 13
2 Research Methodology 17
3 India Lithium-ion Battery Market Overview 22
3.1 India Lithium-ion Battery Market Size & Forecast 22
3.2 India Lithium-ion Battery Market Size & Share Forecast, By Type 25
3.3 India Lithium-ion Battery Market Size & Share Forecast, By Components 27
3.4 India Lithium-ion Battery Market Size & Share Forecast, By Application 29
3.5 India Lithium-ion Battery Market Size & Share Forecast, By Region 31
4 South India Lithium-ion Battery Market Overview 33

4.1 South India Lithium-ion Battery Market Size & Forecast 33
4.2 South India Lithium-ion Battery Market Size & Share Forecast, By Type 34
4.3 South India Lithium-ion Battery Market Size & Share Forecast, By Components 35
4.4 South India Lithium-ion Battery Market Size & Share Forecast, By Application 37
5 North India Lithium-ion Battery Market Overview 39
5.1 North India Lithium-ion Battery Market Size & Forecast 39
5.2 North India Lithium-ion Battery Market Size & Share Forecast, By Type 40
5.3 North India Lithium-ion Battery Market Size & Share Forecast, By Components 41
5.4 North India Lithium-ion Battery Market Size & Share Forecast, By Application 43
6 West India Lithium-ion Battery Market Overview 45
6.1 West India Lithium-ion Battery Market Size & Forecast 45
6.2 West India Lithium-ion Battery Market Size & Share Forecast, By Type 46
6.3 West India Lithium-ion Battery Market Size & Share Forecast, By Components 47
6.4 West India Lithium-ion Battery Market Size & Share Forecast, By Application 49
7 East India Lithium-ion Battery Market Overview 51
7.1 East India Lithium-ion Battery Market Size & Forecast 51
7.2 East India Lithium-ion Battery Market Size & Share Forecast, By Type 52
7.3 East India Lithium-ion Battery Market Size & Share Forecast, By Components 53
7.4 East India Lithium-ion Battery Market Size & Share Forecast, By Application 55
8 Market Dynamics 57
8.1 Drivers 57
8.2 Limitations 61
8.3 Opportunities 62
8.4 Technology Landscape and Innovation 62
8.5 Regulatory Framework 64
8.6 Company Share Analysis 65
8.7 Porter’s Five Forces Analysis 67
8.9 PESTEL Analysis 68
9 Competitive Landscape 69
9.1 Company Profiles 69
9.1.1 Hitachi India Pvt. Ltd. 69
9.1.2 AMCO Saft India Limited 71
9.1.3 Heter Electronics Group Co., Ltd. 73
9.1.4 LG Chem Ltd. 75
9.1.5 NEC India Pvt. Ltd. 77
9.1.6 Panasonic Energy India Co. Ltd 79
9.1.7 Rajamane Telectric Pvt. Ltd. 81
9.1.8 Samsung SDI Company Limited 83
9.1.9 Shenzhen B&K Rechargeable Battery, Inc. 85
9.1.10 Sony India Pvt. Ltd. 87
9.1.11 Amperex Technology Limited 89
9.1.12 BYD 91
9.1.13 ACME Cleantech Solutions Pvt. Ltd. 93
9.1.14 Toshiba Corporation 95

List of Figures

FIGURE 1 INDIA LITHIUM-ION BATTERY MARKET SEGMENTATION 14
FIGURE 2 INDIA LITHIUM-ION BATTERY VALUE ($) AND GROWTH RATE FROM 2016-2027 21
FIGURE 3 INDIA LITHIUM-ION BATTERY MARKET SHARE, BY TYPE 2016-2027 25

FIGURE 4 INDIA LITHIUM-ION BATTERY MARKET SHARE, BY COMPONENTS 2016-2027 27
FIGURE 5 INDIA LITHIUM-ION BATTERY MARKET SHARE, BY APPLICATION 2016-2027 29
FIGURE 6 INDIA LITHIUM-ION BATTERY MARKET SHARE, BY REGION 2016-2027 31
FIGURE 7 SOUTH INDIA LITHIUM-ION BATTERY VALUE ($) AND GROWTH RATE FROM 2016-2027 32
FIGURE 8 SOUTH INDIA LITHIUM-ION BATTERY MARKET SHARE, BY TYPE 2016-2027 34
FIGURE 9 SOUTH INDIA LITHIUM-ION BATTERY MARKET SHARE, BY COMPONENTS 2016-2027 35
FIGURE 10 SOUTH INDIA LITHIUM-ION BATTERY MARKET SHARE, BY APPLICATION 2016-2027 37
FIGURE 11 NORTH INDIA LITHIUM-ION BATTERY VALUE ($) AND GROWTH RATE FROM 2016-2027 38
FIGURE 12 NORTH INDIA LITHIUM-ION BATTERY MARKET SHARE, BY TYPE 2016-2027 40
FIGURE 13 NORTH INDIA LITHIUM-ION BATTERY MARKET SHARE, BY COMPONENTS 2016-2027 41
FIGURE 14 NORTH INDIA LITHIUM-ION BATTERY MARKET SHARE, BY APPLICATION 2016-2027 43
FIGURE 15 WEST INDIA LITHIUM-ION BATTERY VALUE ($) AND GROWTH RATE FROM 2016-2027 44
FIGURE 16 WEST INDIA LITHIUM-ION BATTERY MARKET SHARE, BY TYPE 2016-2027 46
FIGURE 17 WEST INDIA LITHIUM-ION BATTERY MARKET SHARE, BY COMPONENTS 2016-2027 47
FIGURE 18 WEST INDIA LITHIUM-ION BATTERY MARKET SHARE, BY APPLICATION 2016-2027 49
FIGURE 19 EAST INDIA LITHIUM-ION BATTERY VALUE ($) AND GROWTH RATE FROM 2016-2027 50
FIGURE 20 EAST INDIA LITHIUM-ION BATTERY MARKET SHARE, BY TYPE 2016-2027 52
FIGURE 21 EAST INDIA LITHIUM-ION BATTERY MARKET SHARE, BY COMPONENTS 2016-2027 53
FIGURE 22 EAST INDIA LITHIUM-ION BATTERY MARKET SHARE, BY APPLICATION 2016-2027 55
FIGURE 23 ELECTRIC FOUR-WHEELER MARKET TREND IN INDIA (IN USD MILLION) 56
FIGURE 24 INDIA CONSUMER ELECTRONICS MARKET TREND, 2017-2020 (USD BILLION) 58
FIGURE 25 INDIA CONSUMER ELECTRONICS MARKET TREND, 2017, 2019, 2022 & 2025 (USD MILLION) 58
FIGURE 26 LITHIUM-ION BATTERY MANUFACTURING PROCESS 62
FIGURE 27 LITHIUM-ION BATTERY MANUFACTURING PROCESS 64

List of Table

TABLE 1 INDIA LITHIUM-ION BATTERY MARKET SIZE, BY TYPE 2016-2027 24
TABLE 2 INDIA LITHIUM-ION BATTERY MARKET SIZE, BY COMPONENTS 2016-2027 26
TABLE 3 INDIA LITHIUM-ION BATTERY MARKET SIZE, BY APPLICATION 2016-2027 28
TABLE 4 INDIA LITHIUM-ION BATTERY MARKET SIZE, BY REGION 2016-2027 30
TABLE 5 SOUTH INDIA LITHIUM-ION BATTERY MARKET SIZE, BY TYPE 2016-2027 33
TABLE 6 SOUTH INDIA LITHIUM-ION BATTERY MARKET SIZE, BY COMPONENTS 2016-2027 34
TABLE 7 SOUTH INDIA LITHIUM-ION BATTERY MARKET SIZE, BY APPLICATION 2016-2027 36
TABLE 8 NORTH INDIA LITHIUM-ION BATTERY MARKET SIZE, BY TYPE 2016-2027 39
TABLE 9 NORTH INDIA LITHIUM-ION BATTERY MARKET SIZE, BY COMPONENTS 2016-2027 40
TABLE 10 NORTH INDIA LITHIUM-ION BATTERY MARKET SIZE, BY APPLICATION 2016-2027 42
TABLE 11 WEST INDIA LITHIUM-ION BATTERY MARKET SIZE, BY TYPE 2016-2027 45
TABLE 12 WEST INDIA LITHIUM-ION BATTERY MARKET SIZE, BY COMPONENTS 2016-2027 46
TABLE 13 WEST INDIA LITHIUM-ION BATTERY MARKET SIZE, BY APPLICATION 2016-2027 48
TABLE 14 EAST INDIA LITHIUM-ION BATTERY MARKET SIZE, BY TYPE 2016-2027 51
TABLE 15 EAST INDIA LITHIUM-ION BATTERY MARKET SIZE, BY COMPONENTS 2016-2027 52
TABLE 16 EAST INDIA LITHIUM-ION BATTERY MARKET SIZE, BY APPLICATION 2016-2027 54
TABLE 17 HITACHI INDIA PVT. LTD. – AT A GLANCE 68
TABLE 18 AMCO SAFT INDIA LIMITED – AT A GLANCE 70
TABLE 19 HETER ELECTRONICS GROUP CO., LTD. – AT A GLANCE 72
TABLE 20 LG CHEM LTD. – AT A GLANCE 74
TABLE 21 NEC INDIA PVT. LTD. – AT A GLANCE 76
TABLE 22 PANASONIC ENERGY INDIA CO. LTD. – AT A GLANCE 78
TABLE 23 RAJAMANE TELECTRIC PVT. LTD. – AT A GLANCE 80
TABLE 24 SAMSUNG SDI COMPANY LIMITED – AT A GLANCE 82

TABLE 25 SHENZHEN B&K RECHARGEABLE BATTERY, INC. – AT A GLANCE 84
TABLE 26 SONY INDIA PVT. LTD. – AT A GLANCE 86
TABLE 27 AMPEREX TECHNOLOGY LIMITED – AT A GLANCE 88
TABLE 28 BYD – AT A GLANCE 90
TABLE 29 ACME CLEANTECH SOLUTIONS PVT. LTD. – AT A GLANCE 92
TABLE 30 TOSHIBA CORPORATION – AT A GLANCE 94

Get the full book

This sample shows only the contents and introduction. The full book has every chapter.
Price: Rs 53,100 | US$ 1,200
Delivery: Shipped within 4 working days of payment
Order online: niir.org/books/lithium-ion-battery-market-report/ **WhatsApp:** +91 9097-075-054

Planning a unit? NPCS project reports:

- Lithium Ion Battery project report

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Market Research, Manufacturing Process, Machinery, Raw Materials, Project Feasibility, Investment Opportunities, Technical Consultancy and Startup Help.

NPCS also publishes process technology books, technical books, startup books, directory, business database, detailed project reports and market research reports.

Our Detailed Project Report aims at providing all the critical data required by entrepreneurs for starting new business ventures.

NIIR PROJECT CONSULTANCY SERVICES
106-E, Kamla Nagar, New Delhi-110007, India

Email: npcs.india@gmail.com **Website:** https://www.niir.org/



Scan to order the full book on niir.org