

Lithium-ion Battery Materials Market by Battery Chemistry (LFP, LCO, NMC, NCA, LMO), Material (Cathode, Anode, Electrolyte), Application (Portable Device, Electric Vehicle, Industrial, Power Tool, Medical Device), & Region - Global Forecast to 2029

Market Report | 2025-03-01 | 218 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

The global lithium-ion battery materials market is projected to grow from USD 41.9 billion in 2024 to USD 120.9 billion by 2029, at a CAGR of 23.6% during the forecast period. The lithium-ion battery materials market is expanding rapidly due to rising demand for lithium-ion batteries across a variety of industries. These materials, which include cathode and anode materials, electrolytes, and separators, are required to produce batteries used in electric vehicles (EVs), consumer electronics, and energy storage systems. The key drivers of this market are the rising adoption of EVs, which is being driven by worldwide attempts to reduce carbon emissions and a trend toward renewable energy. Furthermore, rising demand for portable electronic devices, advances in battery technology, and government incentives to promote green energy are moving the industry forward.

"Portable devices segment, by application, is estimated to account for the second largest share during the forecast period"

The portable devices segment is projected to secure the second-largest share in the forecast period. Given the growing demand for consumer electronics such as smartphones, tablets, and laptops, the portable devices category is predicted to account for the second-largest proportion of the lithium-ion battery materials market. Factors such as the expanding popularity of remote work, online education, and the growing desire for smart gadgets are driving demand for portable electronics, which in turn fuels the demand for efficient and long-lasting lithium-ion batteries. The growing preference among consumers for high-performance devices with extended battery life will continue to boost demand for lithium-ion battery materials in the portable device industry.

"By battery chemistry, lithium iron phosphate segment is accounted for the second largest share during the forecast period"

The lithium iron phosphate segment by battery chemistry is expected to have the second-largest share of the lithium-ion battery materials market, owing to its safety features, high cycle life, and cost-effectiveness. These batteries are less prone to overheating and provide stability even at high temperatures, making them excellent for use in energy storage systems, electric buses, and certain electric automobiles. Furthermore, the increased emphasis on renewable energy integration and grid-scale

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

energy storage systems is encouraging the development of lithium iron phosphate batteries, which are safe and durable. As the global focus on sustainability and energy efficiency grows, demand for lithium-ion battery materials, particularly those used in lithium iron phosphate batteries, is predicted to increase significantly.

"Electrolyte materials segment, by material, is estimated to account for the second largest share during the forecast period" Electrolyte materials are expected to account for the second-largest share of the lithium-ion battery materials market due to their significance in battery performance and safety. Electrolytes allow lithium ions to flow between the anode and cathode, a process required for energy storage and discharge. As the need for high-performance lithium-ion batteries grows, especially in applications such as electric vehicles and energy storage systems, so does the need for innovative electrolyte materials. These compounds are critical to increasing battery efficiency, longevity, and safety. The expansion of the electrolyte segment will propel the overall lithium-ion battery materials market by driving innovations in electrolyte formulations, such as solid-state and high-voltage electrolytes, which improve battery performance and open up new application opportunities.

"North America region is estimated to account for the second largest share during the forecast period"

North America is expected to have the second-largest share of the lithium-ion battery materials market, owing to the region's strong demand for electric vehicles (EVs) and growing emphasis on renewable energy solutions. Government incentives to reduce carbon emissions and promote sustainable transportation are driving the EV market's growth, encouraging both manufacturers and consumers to use lithium-ion battery technologies. Furthermore, the increasing integration of renewable energy sources, such as solar and wind, needs effective energy storage solutions, driving up demand for lithium-ion batteries and their materials.

Profile break-up of primary participants for the report:

-□By Company Type: Tier 1 - 65%, Tier 2 - 20%, and Tier 3 - 15%

-□By Designation: C-level- 25%, Director Level- 30%, and Others - 45%

-□By Region: North America - 20%, Europe - 15%, Asia Pacific - 55%, Rest of World - 10%

Umicore (Belgium), Sumitomo Metal Mining Co., Ltd. (Japan), BASF SE (Germany), POSCO Future M (South Korea), and Tanaka Chemical Corporation (Japan) are some of the major players operating in the lithium-ion battery materials market. These players have adopted strategies such as acquisitions, expansions, and partnerships in order to increase their market share business revenue.

Research Coverage:

The report defines, segments, and projects the lithium-ion battery materials market based on application, battery chemistry, material, and region. It provides detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, opportunities, and challenges. It strategically profiles, lithium-ion battery materials manufacturers and comprehensively analyses their market shares and core competencies as well as tracks and analyzes competitive developments, such as expansions, joint ventures, agreements, and acquisitions, undertaken by them in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the lithium-ion battery materials market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses, and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

-□Analysis of key drivers (growth in production of lithium-ion batteries, surge in demand for consumer electronics), restraints (safety concerns regarding usage of gadgets or items installed with lithium-ion batteries, availability of substitutes), opportunities (growing R&D to enhance efficiency and upgrade lithium-ion batteries, decline in overall prices), and challenges (fluctuating raw material prices) influencing the growth of the lithium-ion battery materials market.

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities in the lithium-ion battery materials market.

-□Market Development: Comprehensive information about lucrative markets - the report analyses the lithium-ion battery materials market across varied regions.

-□Market Diversification: Exhaustive information about new products, various types, untapped geographies, recent developments,

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

and investments in the lithium-ion battery materials market.

- Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players such as Umicore (Belgium), Sumitomo Metal Mining Co., Ltd. (Japan), BASF SE (Germany), POSCO Future M (South Korea), Tanaka Chemical Corporation (Japan), Toda Kogyo Corp. (Japan), Resonac Holdings Corporation (Japan), L&F Co., Ltd. (South Korea), JFE Chemical Corporation (Japan), and 3M (US), and others in the lithium-ion battery materials market

Table of Contents:

1	INTRODUCTION	25
1.1	STUDY OBJECTIVES	25
1.2	MARKET DEFINITION	25
1.3	STUDY SCOPE	26
1.3.1	INCLUSIONS & EXCLUSIONS	26
1.3.2	YEARS CONSIDERED	27
1.3.3	CURRENCY CONSIDERED	27
1.3.4	UNIT CONSIDERED	27
1.4	LIMITATIONS	27
1.5	STAKEHOLDERS	28
1.6	SUMMARY OF CHANGES	28
2	RESEARCH METHODOLOGY	29
2.1	RESEARCH DATA	29
2.1.1	SECONDARY DATA	30
2.1.1.1	Key data from secondary sources	30
2.1.2	PRIMARY DATA	30
2.1.2.1	Key data from primary sources	31
2.1.2.2	Breakdown of interviews with experts	31
2.2	DEMAND-SIDE MATRIX	32
2.3	MARKET SIZE ESTIMATION	32
2.3.1	BOTTOM-UP APPROACH	33
2.3.2	TOP-DOWN APPROACH	33
2.3.2.1	Calculations for supply-side analysis	34
2.4	GROWTH FORECAST	34
2.5	DATA TRIANGULATION	35
2.5.1	RESEARCH ASSUMPTIONS	36
2.5.2	RESEARCH LIMITATIONS	36
2.5.3	RISK ASSESSMENT	36
3	EXECUTIVE SUMMARY	37
4	PREMIUM INSIGHTS	41
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN LITHIUM-ION BATTERY MATERIALS MARKET	41
4.2	LITHIUM-ION BATTERY MATERIALS MARKET, BY REGION	41
4.3	LITHIUM-ION BATTERY MATERIALS MARKET, BY MATERIAL	42
4.4	LITHIUM-ION BATTERY MATERIALS MARKET, BY BATTERY CHEMISTRY	42
4.5	LITHIUM-ION BATTERY MATERIALS MARKET, BY APPLICATION	43
5	MARKET OVERVIEW	44
5.1	INTRODUCTION	44
5.2	MARKET DYNAMICS	44
5.2.1	DRIVERS	45

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.2.1.1	Increasing adoption of electric vehicles	45
5.2.1.2	Surging demand for consumer electronics	45
5.2.2	RESTRAINTS	45
5.2.2.1	Safety concerns related to gadgets with lithium-ion batteries	45
5.2.2.2	Availability of substitutes	45
5.2.3	OPPORTUNITIES	46
5.2.3.1	Growing R&D to upgrade lithium-ion batteries	46
5.2.3.2	Declining lithium-ion battery prices	46
5.2.4	CHALLENGES	47
5.2.4.1	Fluctuating raw material prices	47
6	INDUSTRY TRENDS	48
6.1	GLOBAL MACROECONOMIC OUTLOOK	48
6.1.1	GDP	48
6.1.2	RISING ADOPTION OF ELECTRIC VEHICLES	50
6.2	VALUE CHAIN ANALYSIS	51
6.3	ECOSYSTEM ANALYSIS	52
6.4	PORTER'S FIVE FORCES ANALYSIS	53
6.4.1	BARGAINING POWER OF SUPPLIERS	54
6.4.2	BARGAINING POWER OF BUYERS	54
6.4.3	THREAT OF NEW ENTRANTS	54
6.4.4	THREAT OF SUBSTITUTES	55
6.4.5	INTENSITY OF COMPETITIVE RIVALRY	55
6.5	PRICING ANALYSIS	55
6.5.1	AVERAGE SELLING PRICE OF LITHIUM CARBONATE, BY REGION	55
6.5.2	AVERAGE SELLING PRICE OF COBALT, BY REGION	56
6.5.3	AVERAGE SELLING PRICE OF NICKEL, BY REGION	56
6.5.4	AVERAGE SELLING PRICE, BY METAL	57
6.6	TARIFF AND REGULATORY LANDSCAPE	57
6.6.1	TARIFF DATA	57
6.6.2	REGULATORY LANDSCAPE	57
6.6.2.1	Regulatory bodies, government agencies, and other organizations	58
6.6.3	PRACTICES AND POLICES IN LATIN AMERICAN COUNTRIES	59
6.6.3.1	Introduction	59
6.6.3.2	Colombia	59
6.6.3.3	Polices, regulations, and EPR schemes	60
6.6.3.4	Costa Rica	61
6.6.3.5	Polices, regulations, and EPR schemes	61
6.6.3.6	Existing recycling infrastructure and reuse initiatives	61
6.6.3.7	Chile	63
6.6.3.8	Polices, regulations, and EPR schemes	63
6.6.3.9	Existing recycling infrastructure and reuse initiatives	63
6.6.3.10	Mexico	63
6.6.3.11	Polices, regulations, and EPR schemes	64
6.6.3.12	Existing recycling infrastructure and reuse initiatives	64
6.7	KEY CONFERENCES AND EVENTS, 2024-2025	65
6.8	KEY STAKEHOLDERS AND BUYING CRITERIA	65
6.8.1	KEY STAKEHOLDERS IN BUYING PROCESS	65

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.8.2 BUYING CRITERIA 66
- 6.9 PATENT ANALYSIS 67
- 6.9.1 METHODOLOGY 67
- 6.9.2 MAJOR PATENTS 68
- 6.10 TECHNOLOGY ANALYSIS 69
- 6.10.1 KEY TECHNOLOGIES 69
- 6.10.1.1 High-nickel cathodes 69
- 6.10.2 COMPLEMENTARY TECHNOLOGIES 69
- 6.10.2.1 Lithium metal batteries 69
- 6.11 TRADE ANALYSIS 70
- 6.11.1 IMPORT SCENARIO (HS CODE 850650) 70
- 6.11.2 EXPORT SCENARIO (HS CODE 850650) 71
- 6.12 CASE STUDY ANALYSIS 71
- 6.12.1 HITACHI'S LESS-VOLATILE ELECTROLYTE ELIMINATES NEED FOR COOLING SYSTEM IN BATTERIES 71
- 6.13 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS 72
- 6.14 INVESTMENT AND FUNDING SCENARIO 73
- 6.15 IMPACT OF GENERATIVE AI ON LITHIUM-ION BATTERY MATERIALS MARKET 73
- 6.15.1 INTRODUCTION 73
- 6.15.2 IMPACT OF GENERATIVE AI 73
- 6.15.2.1 Enhanced manufacturing efficiency 74
- 6.15.2.2 Reduced material waste 74
- 6.15.2.3 Improved quality control 74
- 7 LITHIUM-ION BATTERY MATERIALS MARKET, BY MATERIAL 75
- 7.1 INTRODUCTION 76
- 7.2 ANODE MATERIALS 77
- 7.2.1 GROWING DEMAND FOR LITHIUM-ION BATTERIES TO BOOST MARKET 77
- 7.3 CATHODE MATERIALS 78
- 7.3.1 GROWING DEMAND FOR ELECTRIC VEHICLES TO DRIVE MARKET 78
- 7.4 ELECTROLYTE MATERIALS 80
- 7.4.1 NEED FOR ENHANCED BATTERY OUTPUT TO DRIVE MARKET 80
- 7.5 OTHER MATERIALS 81
- 8 LITHIUM-ION BATTERY MATERIALS MARKET, BY APPLICATION 83
- 8.1 INTRODUCTION 84
- 8.2 PORTABLE DEVICES 85
- 8.2.1 RAPID TECHNOLOGICAL CHANGES TO DRIVE DEMAND 85
- 8.3 ELECTRIC VEHICLES 86
- 8.3.1 GOVERNMENT EFFORTS TO PROMOTE CLEAN ENERGY SOLUTIONS TO DRIVE SEGMENT 86
- 8.4 INDUSTRIAL 88
- 8.4.1 FOCUS ON ENVIRONMENTAL SAFETY AND EQUIPMENT DURABILITY TO INCREASE DEMAND 88
- 8.5 OTHER APPLICATIONS 89
- 9 LITHIUM-ION BATTERY MATERIALS MARKET, BY BATTERY CHEMISTRY 91
- 9.1 INTRODUCTION 92
- 9.2 LITHIUM NICKEL MANGANESE COBALT 94
- 9.2.1 HIGH CHARGE & DISCHARGE LIFE TO DRIVE MARKET 94
- 9.3 LITHIUM IRON PHOSPHATE 95
- 9.3.1 COST-EFFECTIVENESS AND SUPERIOR PERFORMANCE TO DRIVE DEMAND 95
- 9.4 LITHIUM MANGANESE OXIDE 96

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

9.4.1	EXCELLENT SAFETY CHARACTERISTICS TO BOOST MARKET	96
9.5	LITHIUM NICKEL COBALT ALUMINUM OXIDE	98
9.5.1	SUPERIOR CYCLE LIFE TO BOOST DEMAND	98
9.6	LITHIUM COBALT OXIDE	99
9.6.1	WIDE ADOPTION IN CONSUMER ELECTRONICS TO DRIVE MARKET	99
10	LITHIUM-ION BATTERY MATERIALS MARKET, BY REGION	101
10.1	INTRODUCTION	102
10.2	EUROPE	103
10.2.1	GERMANY	109
10.2.1.1	Growing demand for electric vehicles to drive market	109
10.2.2	UK	110
10.2.2.1	Rising sales of electric vehicles to drive demand	110
10.2.3	FRANCE	112
10.2.3.1	Increasing demand in automotive and marine industries to boost market	112
10.2.4	REST OF EUROPE	113
10.3	ASIA PACIFIC	114
10.3.1	CHINA	120
10.3.1.1	Growing production of electric vehicles to drive demand	120
	?	
10.3.2	JAPAN	121
10.3.2.1	Presence of leading lithium-ion battery manufacturers to propel market	121
10.3.3	INDIA	123
10.3.3.1	Development of smart cities to drive market	123
10.3.4	SOUTH KOREA	124
10.3.4.1	Government efforts to increase adoption of electric vehicles to fuel market	124
10.3.5	REST OF ASIA PACIFIC	125
10.4	NORTH AMERICA	127
10.4.1	US	132
10.4.1.1	Rising demand for electric vehicles to fuel market	132
10.4.2	CANADA	133
10.4.2.1	Government subsidies for electric vehicles to boost market	133
10.4.3	MEXICO	135
10.4.3.1	Growing demand in automotive sector to drive market	135
10.5	REST OF WORLD	136
10.5.1	SOUTH AMERICA	140
10.5.1.1	Large lithium reserves to create market opportunities	140
10.5.2	MIDDLE EAST & AFRICA	142
10.5.2.1	Consumer goods and automobile industries to drive demand	142
11	COMPETITIVE LANDSCAPE	144
11.1	INTRODUCTION	144
11.2	KEY PLAYER STRATEGIES/RIGHT TO WIN (JANUARY 2020-JULY 2024)	144
11.2.1	OVERVIEW OF STRATEGIES ADOPTED BY KEY MARKET PLAYERS (JANUARY 2020-JULY 2024)	144
11.3	REVENUE ANALYSIS, 2019-2023	145
11.4	MARKET SHARE ANALYSIS, 2023	146
11.4.1	BASF SE (GERMANY)	147
11.4.2	POSCO FUTURE M (SOUTH KOREA)	147
11.4.3	UMICORE (BELGIUM)	147

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.4.4 SUMITOMO METAL MINING CO., LTD. (JAPAN) 148
- 11.4.5 RESONAC HOLDINGS CORPORATION (JAPAN) 148
- 11.5 BRAND/PRODUCT COMPARISON 148
- 11.5.1 UMICORE 149
- 11.5.2 SUMITOMO METAL MINING CO., LTD. 149
- 11.5.3 BASF SE 149
- 11.5.4 POSCO FUTURE M 149
- 11.5.5 TANAKA CHEMICAL CORPORATION 149
- ?
- 11.6 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023 149
- 11.6.1 STARS 149
- 11.6.2 EMERGING LEADERS 149
- 11.6.3 PERVASIVE PLAYERS 150
- 11.6.4 PARTICIPANTS 150
- 11.6.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023 151
- 11.6.5.1 Company footprint 151
- 11.6.5.2 Region footprint 151
- 11.6.5.3 Material footprint 152
- 11.6.5.4 Battery chemistry footprint 153
- 11.7 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023 154
- 11.7.1 PROGRESSIVE COMPANIES 154
- 11.7.2 RESPONSIVE COMPANIES 154
- 11.7.3 DYNAMIC COMPANIES 154
- 11.7.4 STARTING BLOCKS 154
- 11.7.5 COMPETITIVE BENCHMARKING, STARTUPS/SMES, 2023 155
- 11.7.5.1 Lithium-ion battery materials market: Detailed list of key startups/SMEs, 2023 155
- 11.7.5.2 Lithium-ion battery materials market: Competitive benchmarking of key startups/SMEs, 2023 156
- 11.8 COMPANY VALUATION AND FINANCIAL METRICS 157
- 11.9 COMPETITIVE SCENARIO 158
- 11.9.1 DEALS 158
- 11.9.2 EXPANSIONS 159
- 12 COMPANY PROFILES 160
- 12.1 KEY PLAYERS 160
- 12.1.1 UMICORE 160
- 12.1.1.1 Business overview 160
- 12.1.1.2 Products offered 161
- 12.1.1.3 Recent developments 162
- 12.1.1.3.1 Deals 162
- 12.1.1.3.2 Expansions 163
- 12.1.1.4 MnM view 163
- 12.1.1.4.1 Right to win 163
- 12.1.1.4.2 Strategic choices 163
- 12.1.1.4.3 Weaknesses and competitive threats 163
- 12.1.2 SUMITOMO METAL MINING CO., LTD. 164
- 12.1.2.1 Business overview 164
- 12.1.2.2 Products offered 165
- ?

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.1.2.3	Recent developments	165
12.1.2.3.1	Deals	165
12.1.2.3.2	Expansions	165
12.1.2.4	MnM view	166
12.1.2.4.1	Right to win	166
12.1.2.4.2	Strategic choices	166
12.1.2.4.3	Weaknesses and competitive threats	166
12.1.3	BASF SE	167
12.1.3.1	Business overview	167
12.1.3.2	Products offered	168
12.1.3.3	Recent developments	169
12.1.3.3.1	Deals	169
12.1.3.3.2	Expansions	170
12.1.3.4	MnM view	171
12.1.3.4.1	Right to win	171
12.1.3.4.2	Strategic choices	171
12.1.3.4.3	Weaknesses and competitive threats	171
12.1.4	POSCO FUTURE M	172
12.1.4.1	Business overview	172
12.1.4.2	Products offered	173
12.1.4.3	Recent developments	174
12.1.4.3.1	Deals	174
12.1.4.3.2	Expansions	175
12.1.4.4	MnM view	176
12.1.4.4.1	Right to win	176
12.1.4.4.2	Strategic choices	176
12.1.4.4.3	Weaknesses and competitive threats	176
12.1.5	TANAKA CHEMICAL CORPORATION	177
12.1.5.1	Business overview	177
12.1.5.2	Products offered	178
12.1.5.3	MnM view	178
12.1.5.3.1	Right to win	178
12.1.5.3.2	Strategic choices	178
12.1.5.3.3	Weaknesses and competitive threats	178
12.1.6	TODA KOGYO CORP.	179
12.1.6.1	Business overview	179
12.1.6.2	Products offered	180
12.1.6.3	Recent developments	180
12.1.6.3.1	Expansions	180
12.1.7	RESONAC HOLDINGS CORPORATION	181
12.1.7.1	Business overview	181
12.1.7.2	Products offered	182
12.1.8	L&F CO., LTD.	183
12.1.8.1	Business overview	183
12.1.8.2	Products offered	184
12.1.8.3	Recent developments	184
12.1.8.3.1	Expansions	184

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.1.9	FE CHEMICAL CORPORATION	185
12.1.9.1	Business overview	185
12.1.9.2	Products offered	185
12.1.10	3M	186
12.1.10.1	Business overview	186
12.1.10.2	Products offered	187
12.1.11	SGL CARBON	188
12.1.11.1	Business overview	188
12.1.11.2	Products offered	189
12.1.12	NEI CORPORATION	190
12.1.12.1	Business overview	190
12.1.12.2	Products offered	190
12.1.12.3	Recent developments	190
12.1.12.3.1	Product launches	190
12.1.13	KUREHA CORPORATION	191
12.1.13.1	Business overview	191
12.1.13.2	Products offered	192
12.1.14	BTR NEW MATERIAL GROUP CO., LTD.	193
12.1.14.1	Business overview	193
12.1.14.2	Products offered	193
12.1.14.3	Recent developments	193
12.1.14.3.1	Deals	193
12.1.14.3.2	Expansions	194
12.1.15	UBE CORPORATION	195
12.1.15.1	Business overview	195
12.1.15.2	Products offered	196
12.1.15.3	Recent developments	197
12.1.15.3.1	Deals	197
12.1.16	KURARAY CO., LTD.	198
12.1.16.1	Business overview	198
12.1.16.2	Products offered	199
12.1.17	SHENZHEN DYNANONIC CO., LTD.	200
12.1.17.1	Business overview	200
12.1.17.2	Products offered	200
?		
12.1.18	ZHEJIANG HUAYOU COBALT	201
12.1.18.1	Business overview	201
12.1.18.2	Products offered	202
12.1.18.3	Recent developments	203
12.1.18.3.1	Deals	203
12.1.19	AMERICAN ELEMENTS	204
12.1.19.1	Business overview	204
12.1.19.2	Products offered	204
12.1.20	MORITA CHEMICAL INDUSTRIES CO., LTD.	205
12.1.20.1	Business overview	205
12.1.20.2	Products offered	205
12.2	OTHER PLAYERS	206

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12.2.1 ECOPRO BM 206
- 12.2.2 CAPCHEM 206
- 12.2.3 NICHIA CORPORATION 207
- 12.2.4 ASCEND ELEMENTS, INC. 207
- 12.2.5 PULEAD TECHNOLOGY INDUSTRY CO., LTD. 208
- 13 ADJACENT AND RELATED MARKETS 209
 - 13.1 INTRODUCTION 209
 - 13.2 LIMITATIONS 209
 - 13.3 INTERCONNECTED MARKETS 209
 - 13.4 LITHIUM-ION BATTERY MARKET 209
 - 13.4.1 MARKET DEFINITION 209
 - 13.4.2 MARKET OVERVIEW 209
 - 13.4.3 LITHIUM-ION BATTERY MARKET, BY VOLTAGE 210
 - 13.4.3.1 Low 210
 - 13.4.3.1.1 Built-in battery management to drive demand in consumer electronics 210
 - 13.4.3.2 Medium 211
 - 13.4.3.2.1 Rising adoption in solar energy systems to drive market 211
 - 13.4.3.3 High 211
 - 13.4.3.3.1 Enhanced safety features to boost demand in marine and military sectors 211
- 14 APPENDIX 212
 - 14.1 DISCUSSION GUIDE 212
 - 14.2 KNOWLEDGESTORE: MARKETSDMARKETS' SUBSCRIPTION PORTAL 214
 - 14.3 CUSTOMIZATION OPTIONS 216
 - 14.4 RELATED REPORTS 216
 - 14.5 AUTHOR DETAILS 217

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Lithium-ion Battery Materials Market by Battery Chemistry (LFP, LCO, NMC, NCA, LMO), Material (Cathode, Anode, Electrolyte), Application (Portable Device, Electric Vehicle, Industrial, Power Tool, Medical Device), & Region - Global Forecast to 2029

Market Report | 2025-03-01 | 218 pages | MarketsandMarkets

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-03-07

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com