

Battery Materials Market by Battery Type (Lead-Acid, Lithium-Ion), Material [Cathode (LFP, LCO, NMC, NCA, LMO), Anode, Electrolyte], Application (Automotive, Electric Vehicles, Portable Devices, Industrial), and Region - Global Forecast to 2030

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Report description:

The global battery materials market is projected to grow from USD 83.95 billion in 2025 to USD 147.93 billion by 2030, at a CAGR of 13.7% during the forecast period. The battery materials market is experiencing strong growth, driven by the worldwide shift toward electrification, clean energy, and digital technology. Increasing demand for electric vehicles, portable electronics, and energy storage systems is boosting the need for high-performance materials. Governments and industries are making significant investments in battery production capacity, raw material sourcing, and recycling infrastructure.

<https://www.marketsandmarkets.com/Images/battery-raw-materials-market-Overview.webp>

"Lead-acid segment, by battery type, is estimated to account for the second-largest share during the forecast period in terms of value."

The lead-acid segment is expected to hold the second-largest share in the battery materials market by value during the forecast period, due to its widespread use in automotive, industrial backup power, and off-grid energy storage applications. Its reliability, low cost, and well-established recycling infrastructure make it a preferred choice in developing regions and for applications that require high surge currents. Ongoing advancements in lead-acid battery design, including improved flooded and AGM technologies, are also driving market growth.

"By application, the portable device segment will account for the second-largest share during the forecast period in terms of value."

The portable device segment is expected to hold the second-largest share in the battery materials market by value during the

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forecast period, driven by rising consumer demand for smartphones, laptops, tablets, wearables, and wireless accessories. This segment sustains steady battery usage. Advances in miniaturization, battery life, and fast-charging features are also increasing the need for high-performance, compact battery materials. As digital connectivity and mobile lifestyles expand worldwide, applications for portable devices are likely to contribute significantly to the battery material market.

"The North America region is estimated to account for the second-largest share during the forecast period in terms of volume." The North America region is expected to hold the second-largest share in the battery materials market by volume during the forecast period, driven by increasing EV adoption, renewable energy demand, and government support. The US leads with strong policies and a developed domestic supply chain, while Canada invests in lithium production, and Mexico draws major battery manufacturing due to its cost advantages. These factors collectively boost regional demand for battery materials, establishing North America as a key player in the global battery ecosystem.

Profile break-up of primary participants for the report:

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

-□By Designation: Directors- 25%, Managers- 30%, and Others - 45%

-□By Region: North America - 30%, Asia Pacific - 40%, Europe - 20%, and Rest of the World - 10%

BASF (Germany), POSCO Future M (South Korea), Asahi Kasei Corporation (Japan), Umicore (Belgium), and Sumitomo Metal Mining Co., Ltd. (Japan) are some of the major players in the battery materials market. These players have adopted agreements, joint ventures, expansions, and other strategies to increase their market share and business revenue.

Research Coverage:

The report defines, segments, and projects the size of the battery materials market based on material, battery type, application, and region. It offers detailed information on key factors affecting the market's growth, such as drivers, restraints, opportunities, and challenges. It strategically profiles battery materials manufacturers, thoroughly analyzing their market shares and core competencies, and monitors and assesses competitive developments, including agreements, joint ventures, partnerships, expansion, and others.

Reasons to Buy the Report:

The report aims to assist market leaders and new entrants by providing the most accurate estimates of revenue figures for the battery materials market and its segments. It is also designed to help stakeholders gain a better understanding of the market's competitive landscape, acquire insights to enhance their business positioning, and develop effective go-to-market strategies. Additionally, it enables stakeholders to gauge market trends and offers information on key drivers, restraints, challenges, and opportunities.

The report offers insights on the following points:

- Analysis of critical drivers (growth of HEVs, PHEVs, and EVs to accelerate demand for lithium-ion batteries, high demand for lithium-ion technology in renewable energy industry, growth in consumer electronic devices), restraints (stringent safety requirements for batteries during operation, inadequate charging infrastructure), opportunities (use of batteries in energy storage devices, innovation and advances in lithium-ion battery technology, declining lithium-ion battery prices), and challenges (overheating issues of lithium-ion batteries) influencing the growth of the battery materials market.

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

- Market Development: Comprehensive information about lucrative markets - the report analyzes the battery materials market across varied regions

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

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and investments in the battery materials market

- Competitive Assessment: In-depth assessment of market share, growth strategies, and product offerings of leading players in the battery materials market, such as BASF (Germany), POSCO Future M (South Korea), Asahi Kasei Corporation (Japan), Umicore (Belgium), and Sumitomo Metal Mining Co., Ltd. (Japan)

Table of Contents:

1	INTRODUCTION	31
1.1	STUDY OBJECTIVES	31
1.2	MARKET DEFINITION	31
1.3	STUDY SCOPE	32
1.3.1	MARKETS COVERED AND REGIONAL SCOPE	32
1.3.2	INCLUSIONS AND EXCLUSIONS	33
1.3.3	YEARS CONSIDERED	33
1.3.4	CURRENCY CONSIDERED	34
1.3.5	UNIT CONSIDERED	34
1.4	LIMITATIONS	34
1.5	STAKEHOLDERS	34
1.6	SUMMARY OF CHANGES	35
2	RESEARCH METHODOLOGY	36
2.1	RESEARCH DATA	36
2.1.1	SECONDARY DATA	37
2.1.1.1	List of key secondary sources	37
2.1.1.2	Key data from secondary sources	37
2.1.2	PRIMARY DATA	38
2.1.2.1	Key data from primary sources	38
2.1.2.2	List of primary interview participants-demand and supply sides	38
2.1.2.3	Key industry insights	39
2.1.2.4	Breakdown of interviews with experts	39
2.2	DEMAND-SIDE ANALYSIS	40
2.3	MARKET SIZE ESTIMATION	40
2.3.1	BOTTOM-UP APPROACH	41
2.3.2	TOP-DOWN APPROACH	41
2.4	SUPPLY-SIDE ANALYSIS	42
2.4.1	CALCULATIONS FOR SUPPLY-SIDE ANALYSIS	43
2.5	GROWTH FORECAST	43
2.6	DATA TRIANGULATION	44
2.7	FACTOR ANALYSIS	45
2.8	RESEARCH ASSUMPTIONS	45
2.9	RESEARCH LIMITATIONS	46
2.10	RISK ASSESSMENT	46
3	EXECUTIVE SUMMARY	47
?		
4	PREMIUM INSIGHTS	52
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN BATTERY MATERIALS MARKET	52
4.2	BATTERY MATERIALS MARKET, BY REGION	52
4.3	BATTERY MATERIALS MARKET, BY BATTERY TYPE	53

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4.4	BATTERY MATERIALS MARKET, BY APPLICATION OF LITHIUM-ION BATTERIES	53
4.5	BATTERY MATERIALS MARKET, BY APPLICATION OF LEAD-ACID BATTERIES	54
4.6	BATTERY MATERIALS MARKET, BY KEY COUNTRY	54
5	MARKET OVERVIEW	55
5.1	MARKET DYNAMICS	55
5.1.1	DRIVERS	56
5.1.1.1	Growth of HEVs, PHEVs, and EVs to accelerate demand for lithium-ion batteries	56
5.1.1.2	High demand for lithium-ion technology in renewable energy industry	57
5.1.1.3	Growth in consumer electronic devices	58
5.1.2	RESTRAINTS	58
5.1.2.1	Stringent safety requirements for batteries during operations	58
5.1.2.2	Inadequate charging infrastructure	58
5.1.3	OPPORTUNITIES	58
5.1.3.1	Use of batteries in energy storage devices	58
5.1.3.2	Innovation and advances in lithium-ion battery technology	59
5.1.3.3	Declining lithium-ion battery prices	59
5.1.4	CHALLENGES	60
5.1.4.1	Overheating issues of lithium-ion batteries	60
6	INDUSTRY TRENDS	61
6.1	GLOBAL MACROECONOMIC OUTLOOK	61
6.2	SUPPLY CHAIN ANALYSIS	63
6.2.1	RAW MATERIALS	63
6.2.2	BATTERY MATERIALS	63
6.2.3	BATTERY MANUFACTURING	63
6.2.4	DISTRIBUTION NETWORK	64
6.2.5	END-USE INDUSTRIES	64
6.3	ECOSYSTEM ANALYSIS	64
6.4	PORTER'S FIVE FORCES ANALYSIS	65
6.4.1	BARGAINING POWER OF SUPPLIERS	66
6.4.2	BARGAINING POWER OF BUYERS	66
6.4.3	THREAT OF NEW ENTRANTS	67
6.4.4	THREAT OF SUBSTITUTES	67
6.4.5	INTENSITY OF COMPETITIVE RIVALRY	67
?		
6.5	KEY STAKEHOLDERS AND BUYING CRITERIA	68
6.5.1	KEY STAKEHOLDERS IN BUYING PROCESS	68
6.5.2	BUYING CRITERIA	68
6.6	PRICING ANALYSIS	69
6.6.1	AVERAGE SELLING PRICE OF NATURAL GRAPHITE, BY REGION, 2022-2024	69
6.6.2	AVERAGE SELLING PRICE OF BATTERY MATERIALS, BY ANODE MATERIAL, 2024	70
6.6.3	AVERAGE SELLING PRICE OF LITHIUM CARBONATE, BY KEY PLAYERS	71
6.6.4	AVERAGE SELLING PRICE OF COBALT, BY REGION	71
6.6.5	AVERAGE SELLING PRICE OF NICKEL, BY REGION	72
6.7	TARIFF AND REGULATORY LANDSCAPE	72
6.7.1	TARIFF ANALYSIS	72
6.7.2	TARIFF RELATED TO BATTERY MATERIALS	72

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6.7.3	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	73
6.8	KEY CONFERENCES AND EVENTS, 2025-2026	75
6.9	PATENT ANALYSIS	76
6.9.1	METHODOLOGY	76
6.10	TECHNOLOGY ANALYSIS	78
6.10.1	KEY TECHNOLOGIES	78
6.10.1.1	High-nickel cathodes	78
6.10.2	COMPLEMENTARY TECHNOLOGIES	78
6.10.2.1	Lithium metal batteries	78
6.11	CASE STUDY ANALYSIS	79
6.11.1	PORTERA CASE STUDY WITH TOYOTA LITHIUM-ION BATTERIES	79
6.11.2	REDWOOD MATERIALS' BATTERY METALS RECOVERY CUTS MINE MESS	80
6.11.3	CUSTOM LITHIUM BATTERY SOLUTION FOR PERSONAL ELECTRIC SCOOTER	81
6.12	TRADE DATA	82
6.12.1	IMPORT SCENARIO (HS CODE 850650)	82
6.12.2	EXPORT SCENARIO (HS CODE 850650)	83
6.13	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	84
6.14	INVESTMENT AND FUNDING SCENARIO	85
6.15	IMPACT OF GENERATIVE AI ON BATTERY MATERIALS MARKET	85
6.15.1	INTRODUCTION	85
6.15.2	DATA COLLECTION AND STRUCTURING	86
6.15.3	PREDICTIVE MODELING OF MATERIAL PROPERTIES	86
6.15.4	GENERATIVE DESIGN OF NEW MATERIALS	86
6.15.5	EXPERIMENTAL PRIORITIZATION AND VALIDATION	86
6.15.6	PROCESS OPTIMIZATION IN MATERIAL MANUFACTURING	86
6.15.7	INTEGRATION INTO BATTERY SYSTEMS	86
6.15.8	BATTERY LIFECYCLE AND RECYCLING	86
6.15.9	CONTINUOUS LEARNING AND FEEDBACK LOOP	86
6.16	TRUMP TARIFF IMPACT ON BATTERY MATERIALS MARKET	87
6.16.1	KEY TARIFF RATES IMPACTING MARKET	87
6.16.2	PRICE IMPACT ANALYSIS	87
6.16.3	KEY IMPACT ON VARIOUS REGIONS	88
6.16.3.1	US	88
6.16.3.2	Europe	88
6.16.3.3	Asia Pacific	88
6.16.4	IMPACT ON END-USE INDUSTRIES OF BATTERY MATERIALS MARKET	88
6.16.4.1	Lithium-ion batteries	88
6.16.4.1.1	Portable devices	88
6.16.4.1.2	Electric vehicles (EVs)	88
6.16.4.1.3	Industrial applications	88
6.16.4.1.4	Others	88
6.16.4.2	Lead-acid batteries	89
6.16.4.2.1	Automotive sector	89
6.16.4.2.2	Industrial applications	89
6.16.4.3	Others	89
7	BATTERY MATERIALS MARKET, BY MATERIAL	90
7.1	INTRODUCTION	91

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7.2	LITHIUM-ION BATTERY MATERIALS	91
7.2.1	CATHODE MATERIAL	92
7.2.1.1	Cathode materials for lithium-ion batteries	94
7.2.1.1.1	Lithium iron phosphate (LFP)	95
7.2.1.1.2	Lithium cobalt oxide (LCO)	96
7.2.1.1.3	Lithium nickel manganese cobalt (NMC)	98
7.2.1.1.4	Lithium nickel cobalt aluminum (NCA)	99
7.2.1.1.5	Lithium manganese oxide (LMO)	100
7.2.2	ANODE MATERIAL	101
7.2.2.1	Anode materials for lithium-ion batteries	103
7.2.2.2	Natural graphite	104
7.2.2.3	Artificial graphite	105
7.2.2.4	Other anode materials	106
7.2.3	ELECTROLYTE MATERIAL	108
7.2.4	OTHER MATERIALS	109
7.3	LEAD ACID BATTERY MATERIALS	110
7.3.1	CATHODE MATERIAL	112
7.3.2	ANODE MATERIAL	113
7.3.3	ELECTROLYTE MATERIAL	115
7.3.4	OTHER MATERIALS	116
7.4	OTHER BATTERY MATERIALS	117
?		
8	BATTERY MATERIALS MARKET, BY APPLICATION	118
8.1	INTRODUCTION	119
8.2	LITHIUM-ION BATTERY	119
8.2.1	PORTABLE DEVICES	121
8.2.2	ELECTRIC VEHICLES	123
8.2.3	INDUSTRIAL	124
8.2.4	OTHER APPLICATIONS	126
8.3	LEAD-ACID BATTERY	128
8.3.1	AUTOMOTIVE	129
8.3.2	INDUSTRIAL	130
8.4	OTHER APPLICATIONS	132
9	BATTERY MATERIALS MARKET, BY BATTERY TYPE	133
9.1	INTRODUCTION	134
9.2	LITHIUM-ION	135
9.2.1	GROWING DEMAND FOR HIGH-PERFORMANCE BATTERIES TO PROPEL MARKET	135
9.3	LEAD-ACID	137
9.3.1	SURGE IN LOW-COST ENERGY STORAGE AND VEHICLE DEMAND TO BOOST MARKET	137
9.4	OTHER BATTERY TYPES	138
10	BATTERY MATERIALS MARKET, BY REGION	140
10.1	INTRODUCTION	141
10.2	ASIA PACIFIC	143
10.2.1	CHINA	153
10.2.1.1	Surge in electric vehicle production to boost market	153

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10.2.2	SOUTH KOREA	153
10.2.2.1	Government efforts to increase adoption of electric vehicles to fuel market	153
10.2.3	JAPAN	154
10.2.3.1	Boost in domestic production capacity of batteries and growing industries to propel market	154
10.2.4	INDIA	154
10.2.4.1	Expanding EV and clean energy growth to boost market	154
10.2.5	REST OF ASIA PACIFIC	154
10.3	NORTH AMERICA	155
10.3.1	US	164
10.3.1.1	Surging EV and renewable energy sectors to fuel market	164
10.3.2	REST OF NORTH AMERICA	165
10.4	EUROPE	165
10.4.1	GERMANY	175
10.4.1.1	Rise in the automotive sector to fuel market growth	175
10.4.2	FRANCE	175
10.4.2.1	Increasing demand in the automotive and marine industries to drive the market	175
10.4.3	UK	175
10.4.3.1	Government initiatives for the adoption of EVs to boost market	175
10.4.4	REST OF EUROPE	176
10.5	REST OF THE WORLD	176
10.5.1	BRAZIL	186
10.5.1.1	Growing automotive sector to drive market	186
10.5.2	OTHER COUNTRIES	186
11	COMPETITIVE LANDSCAPE	187
11.1	INTRODUCTION	187
11.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	187
11.3	REVENUE ANALYSIS	189
11.4	MARKET SHARE ANALYSIS	190
11.5	BRAND/PRODUCT COMPARISON	192
11.6	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024	193
11.6.1	STARS	193
11.6.2	CEMERGING LEADERS	193
11.6.3	PERVASIVE PLAYERS	193
11.6.4	PARTICIPANTS	194
11.6.5	COMPANY FOOTPRINT: KEY PLAYERS, 2024	195
11.6.5.1	Company footprint	195
11.6.5.2	Region footprint	196
11.6.5.3	Application footprint	197
11.6.5.4	Material footprint	198
11.7	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024	199
11.7.1	PROGRESSIVE COMPANIES	199
11.7.2	RESPONSIVE COMPANIES	199
11.7.3	DYNAMIC COMPANIES	199
11.7.4	STARTING BLOCKS	199
11.7.5	COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024	201
11.7.5.1	Detailed list of key startups/SMEs	201
11.7.5.2	Competitive benchmarking of key startups/SMEs	202

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11.8	COMPANY VALUATION AND FINANCIAL METRICS	203
11.9	COMPETITIVE SCENARIO	204
11.9.1	PRODUCT LAUNCHES	204
11.9.2	DEALS	205
11.9.3	EXPANSIONS	206
?		
12	COMPANY PROFILES	208
12.1	KEY COMPANIES	208
12.1.1	UMICORE	208
12.1.1.1	Business overview	208
12.1.1.2	Products offered	209
12.1.1.3	Recent developments	210
12.1.1.3.1	Deals	210
12.1.1.3.2	Expansions	211
12.1.1.4	MnM View	212
12.1.1.4.1	Key Strengths/Right to Win:	212
12.1.1.4.2	Strategic Choices	212
12.1.1.4.3	Weaknesses/Competitive threats	212
12.1.2	ASAHI KASEI CORPORATION	213
12.1.2.1	Business overview	213
12.1.2.2	Products/Solutions/Services offered	214
12.1.2.3	Recent developments	215
12.1.2.3.1	Deals	215
12.1.2.3.2	Expansions	216
12.1.2.4	MnM View	216
12.1.2.4.1	Key Strengths/Right to Win	216
12.1.2.5	Strategic Choices	217
12.1.2.6	Weaknesses/Competitive threats:	217
12.1.3	MITSUBISHI CHEMICAL GROUP CORPORATION	218
12.1.3.1	Business overview	218
12.1.3.2	Products offered	219
12.1.3.3	Recent developments	219
12.1.3.3.1	Deals	219
12.1.3.3.2	Expansions	220
12.1.4	POSCO FUTURE M	221
12.1.4.1	Business overview	221
12.1.4.2	Products offered	222
12.1.4.3	Recent developments	223
12.1.4.3.1	Product launches	223
12.1.4.3.2	Deals	223
12.1.4.3.3	Expansions	224
12.1.4.4	MnM View	226
12.1.4.4.1	Key Strengths/Right to Win:	226
12.1.4.4.2	Strategic Choices:	226
12.1.4.4.3	Weaknesses/Competitive threats:	226
12.1.5	EV METALS GROUP	227
12.1.5.1	Business overview	227

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- 12.1.5.2 Products offered 227
- 12.1.5.3 Recent developments 227
 - 12.1.5.3.1 Deals 227
- 12.1.6 RESONAC HOLDINGS CORPORATION 228
 - 12.1.6.1 Business overview 228
 - 12.1.6.2 Products offered 229
 - 12.1.6.3 Recent developments 230
 - 12.1.6.3.1 Deals 230
- 12.1.7 KUREHA CORPORATION 231
 - 12.1.7.1 Business overview 231
 - 12.1.7.2 Products offered 232
- 12.1.8 SUMITOMO METAL MINING CO., LTD. 233
 - 12.1.8.1 Business overview 233
 - 12.1.8.2 Products offered 234
 - 12.1.8.3 Recent developments 234
 - 12.1.8.3.1 Deals 234
 - 12.1.8.3.2 Expansions 235
 - 12.1.8.4 MnM View 235
 - 12.1.8.4.1 Key Strengths/Right to Win 235
 - 12.1.8.4.2 Strategic choices 235
 - 12.1.8.4.3 Weaknesses/Competitive threats 236
- 12.1.9 TORAY INDUSTRIES, INC. 237
 - 12.1.9.1 Business overview 237
 - 12.1.9.2 Products offered 238
 - 12.1.9.3 Recent developments 239
 - 12.1.9.3.1 Deals 239
- 12.1.10 MITSUI MINING & SMELTING CO., LTD. 240
 - 12.1.10.1 Business overview 240
 - 12.1.10.2 Products offered 241
- 12.1.11 UBE CORPORATION 242
 - 12.1.11.1 Business overview 242
 - 12.1.11.2 Products offered 243
 - 12.1.11.3 Recent developments 244
 - 12.1.11.3.1 Deals 244
 - 12.1.11.3.2 Expansions 244
- 12.1.12 BASF 245
 - 12.1.12.1 Business Overview 245
 - 12.1.12.2 Products Offered 246
 - 12.1.12.3 Recent developments 247
 - 12.1.12.3.1 Deals 247
 - 12.1.12.3.2 Expansions 247
 - 12.1.12.4 MnM View 247
 - 12.1.12.4.1 Key Strengths/Right to Win: 247
 - 12.1.12.4.2 Strategic Choices: 248
 - 12.1.12.4.3 Weaknesses/Competitive threats: 248
- 12.1.13 L&F CO., LTD. 249
 - 12.1.13.1 Business overview 249

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- 12.1.13.2 Products offered 250
- 12.1.13.3 Recent developments 250
 - 12.1.13.3.1 Expansions 250
- 12.1.14 TODA KOGYO CORP. 251
 - 12.1.14.1 Business overview 251
 - 12.1.14.2 Products offered 252
 - 12.1.14.3 Recent developments 252
 - 12.1.14.3.1 Expansions 252
- 12.1.15 NEI CORPORATION 253
 - 12.1.15.1 Business overview 253
 - 12.1.15.2 Products offered 253
 - 12.1.15.3 Recent developments 255
 - 12.1.15.4 Product launches 255
 - 12.1.15.4.1 Contracts 256
 - 12.1.15.4.2 Expansions 256
- 12.1.16 TANAKA CHEMICAL CORPORATION 257
 - 12.1.16.1 Business overview 257
 - 12.1.16.2 Products Offered 258
- 12.1.17 NINGBO SHANSHAN CO., LTD. 259
 - 12.1.17.1 Business overview 259
 - 12.1.17.2 Products offered 260
 - 12.1.17.3 Recent developments 261
 - 12.1.17.3.1 Deals 261
 - 12.1.17.3.2 Expansions 261
- 12.1.18 HAMMOND GROUP, INC. 263
 - 12.1.18.1 Business overview 263
 - 12.1.18.2 Products offered 263
- 12.1.19 SINOMA SCIENCE & TECHNOLOGY CO., LTD. 264
 - 12.1.19.1 Business overview 264
 - 12.1.19.2 Products/Solutions/Services offered 264
- 12.1.20 SHANGHAI ENERGY NEW MATERIALS TECHNOLOGY CO., LTD. 265
 - 12.1.20.1 Business overview 265
 - 12.1.20.2 Products/Solutions/Services offered 265
 - 12.1.20.3 Recent developments 266
 - 12.1.20.3.1 Product launches 266
 - 12.1.20.4 Deals 266
 - 12.1.20.5 Others 267
- ?
- 12.1.21 PENOX GROUP 268
 - 12.1.21.1 Business overview 268
 - 12.1.21.2 Products/Solutions/Services offered 268
- 12.1.22 GRAVITA INDIA LTD. 269
 - 12.1.22.1 Business overview 269
 - 12.1.22.2 Products offered 270
 - 12.1.22.3 Recent developments 271
 - 12.1.22.3.1 Expansions 271
- 12.2 OTHER PLAYERS 272

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12.2.1	NICHIA CORPORATION	272
12.2.2	PULEAD TECHNOLOGY INDUSTRY	272
12.2.3	ENTEK	273
12.2.3.1	Recent developments	273
12.2.3.1.1	Deals	273
12.2.3.1.2	Expansions	274
12.2.4	NEXEON LTD.	275
12.2.4.1	Recent developments	276
12.2.4.1.1	Deals	276
12.2.4.1.2	Expansions	276
12.2.5	ZHANGJIAGANG GUOTAI HUARONG CHEMICAL NEW MATERIAL	277
12.2.6	ECOPRO BM	277
12.2.7	ASCEND ELEMENTS, INC.	278
12.2.7.1	Recent developments	278
12.2.7.1.1	Deals	278
12.2.7.1.2	Expansions	280
13	ADJACENT AND RELATED MARKETS	281
13.1	INTRODUCTION	281
13.2	LIMITATIONS	281
13.3	INTERCONNECTED MARKETS	281
13.4	LITHIUM-ION BATTERY MARKET	281
13.4.1	MARKET DEFINITION	281
13.4.2	MARKET OVERVIEW	281
13.4.3	LITHIUM-ION BATTERY MARKET, BY TYPE	282
13.4.4	LITHIUM NICKEL MANGANESE COBALT (NMC)	283
13.4.4.1	Low self-heating rate to drive adoption	283
13.4.5	LITHIUM IRON PHOSPHATE (LFP)	283
13.4.5.1	Growing deployment in HEVs and PHEVs to boost demand	283
13.4.6	LITHIUM COBALT OXIDE (LCO)	284
13.4.6.1	Increasing deployment as power source in consumer electronics to drive market	284
	?	
13.4.7	LITHIUM TITANATE OXIDE (LTO)	284
13.4.7.1	High security and stability due to low operating voltage to boost demand	284
13.4.8	LITHIUM MANGANESE OXIDE (LMO)	284
13.4.8.1	Low internal resistance and high thermal stability to drive segmental growth	284
13.4.9	LITHIUM NICKEL COBALT ALUMINIUM OXIDE (NCA)	285
13.4.9.1	Power and automotive industries to offer lucrative growth opportunities	285
14	APPENDIX	286
14.1	DISCUSSION GUIDE	286
14.2	KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL	289
14.3	CUSTOMIZATION OPTIONS	291
14.4	RELATED REPORTS	291
14.5	AUTHOR DETAILS	292

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