

Lithium Iron Phosphate Batteries Market by Industry (Automotive, Power, Industrial, Consumer Electronics, Aerospace, Marine), Application (Portable, Stationary), Voltage (Low, Medium, High), Capacity, Design & Region - Global forecast to 2028

Market Report | 2023-07-03 | 278 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 iron phosphate batteries market is estimated to grow from USD 17.7 Billion in 2023 to USD 35.5 Billion by 2028; it is expected to record a CAGR of 14.9% during the forecast period. The rising adoption of LFP batteries by electric vehicle manufacturers and the increasing demand for battery-operated material-handling equipment across various industries will drive the lithium iron phosphate batteries market in the forecasted period.

"Automation: The largest segment of the lithium iron phosphate batteries market, by industry "

Based on industry, the lithium iron phosphate batteries market has been split into seven types: automotive, power, industrial, consumer electronics, aerospace, marine and Others. Automotive holds the largest share of the lithium iron phosphate market. This segment includes battery-driven vehicles such as EVs, which further include HEVs, plug-in EVs, and e-bikes, which are major consumers of lithium iron phosphate batteries. EVs are classified into various types, depending on their source of power and application. The main types are battery electric vehicles (BEVs), HEVs, and PHEVs. There is increasing competition between battery models installed in EVs owing to the need for operational excellence. Increasing adoption and awareness of EVs support the growth of the lithium iron phosphate batteries market..

"Portable segment is expected to emerge as the largest segment based on application"

By application, the lithium iron phosphate batteries market has been segmented into portable and stationary. This portable segment covers industries such as automotive, construction, and mining. BEVs use energy from rechargeable batteries and electric motors for functioning instead of using internal combustion engines. Once the battery energy is exhausted, it is recharged using electricity from the grid or any other dedicated charging unit. BEVs do not emit pollutants as they do not run on diesel or gases. These batteries provide high thermal stability, high energy, and power density and are safe to be used in EVs..

"By capacity, the 100,001-540,000 mAh segment is expected to be the largest market during the forecast period."

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Based on capacity, the lithium iron phosphate batteries market is segmented into 0-16,250 mAh; 16,251-50,000 mAh; 50,001-100,000 mAh; and 100,001-540,000 mAh. The 100,001-540,000 mAh is expected to be the largest segment during the forecast period. These high-capacity batteries are used for powering heavy electric vehicles, industrial applications, power backup, HEVs, energy storage systems, emergency power systems, micro-grids, yachts, military, and marine applications. The batteries cannot be made of a single cell and hence require a module and sometimes an array of modules, power racks, power containers, and others. These systems can be made using lithium manganese oxide, lithium iron phosphate, nickel manganese cobalt, and lithium titanium oxide. The rising sustainability concerns and the consequent transition toward the adoption of EVs are expected to influence the adoption of these batteries, consequently increasing their demand.

Europe is expected to be the second largest region in the lithium iron phosphate batteries market

Europe is expected to be the second largest lithium iron phosphate batteries market during the forecast period. The region has been segmented, by country, into the UK, Germany, the Netherlands, Norway, and the Rest of Europe. The Rest of Europe includes Switzerland, Spain, Sweden, Portugal, France, Italy, and Belgium. Europe is the home to some of the largest battery manufacturers, such as Saft (France) and FIAMM (Italy). Lithium iron phosphate batteries have major applications in automotive and consumer electronics as a clean, sustainable, and compact source of power. The automobile sector of Europe is an advanced industry with the leanest production processes where the use of water and energy is optimized. Moreover, the consumer electronics market for wearable devices is witnessing a positive growth curve in Europe. Some of the key factors driving the economy of the region are corporate investments, exports, and favorable monetary policies.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 65%, Tier 2- 24%, and Tier 3- 11%

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

By Region: North America- 15%, Asia Pacific- 35%, Europe- 25%, Middle East & Africa- 10%, and South America- 15%

Note: Others include product engineers, product specialists, and engineering leads.

Note: The tiers of the companies are defined on the basis of their total revenues as of 2021. Tier 1: > USD 1 billion, Tier 2: From USD 500 million to USD 1 billion, and Tier 3: < USD 500 million

The lithium iron phosphate batteries market is dominated by a few major players that have a wide regional presence. The leading players in the lithium iron phosphate batteries market are BYD Company Ltd. (China), Contemporary Amperex Technology Co., Limited. (China), Gotion, Inc. (US), CALB (China), and A123 Systems LLC (US).

Research Coverage:

The report defines, describes, and forecasts the global lithium iron phosphate batteries market, by type, end-user industry, application, and region. It also offers a detailed qualitative and quantitative analysis of the market. The report provides a comprehensive review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market. These include an analysis of the competitive landscape, market dynamics, market estimates, in terms of value, and future trends in the lithium iron phosphate batteries market.

Key Benefits of Buying the Report

- Growing demand for battery-operated material-handling equipment in various industries and growing rising industrial automation is the main factors driving the lithium iron phosphate batteries market. Factors such as risk related to the proper disposal of used lithium-based batteries still restrain the market. Transition from conventional power generation to renewable generation and growing investments in LFP batteries by key global players provide opportunities for the lithium iron phosphate batteries market to grow. Even though technological drawbacks of LFP batteries is the major challenge faced by countries under LFP development.

- Product Development/ Innovation: The lithium iron phosphate batteries market is witnessing significant product development and innovation, driven by the growing demand for EVs. Companies are investing in the development of advanced lithium iron phosphate batteries that are specifically designed for the unique requirements of industry.

- Market Development: As offshore renewable energy becomes more prominent in the power generation landscape, there is a

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

growing need for specialized vessels to support the development, installation, and maintenance of offshore renewable energy projects. This presents a significant market opportunity for lithium iron phosphate batteries providers to cater to the increasing demand for services in the expanding renewable energy sector.

-□Market Diversification: Contemporary Amperex Technology Co., Ltd. (CATL) and the Agricultural Bank of China (ABC) signed an agreement in Beijing, China. This deal is expected to allow CATL and ABC to enhance their strategic cooperation in a variety of areas, including battery swapping and renewable energy storage both at their facilities and overseas.

-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like include BYD Company Ltd. (China), Contemporary Amperex Technology Co., Limited. (China), Gotion, Inc. (US), CALB (China), and A123 Systems LLC (US) among others in the lithium iron phosphate batteries market.

Table of Contents:

1□INTRODUCTION□	41
1.1□STUDY OBJECTIVES□	41
1.2□MARKET DEFINITION□	42
1.3□INCLUSIONS AND EXCLUSIONS□	42
1.4□STUDY SCOPE□	43
1.4.1□MARKETS COVERED□	43
1.4.2□REGIONAL SCOPE□	44
1.4.3□YEARS CONSIDERED□	44
1.4.4□CURRENCY CONSIDERED□	45
1.5□LIMITATIONS□	45
1.6□STAKEHOLDERS□	45
1.7□SUMMARY OF CHANGES□	45
1.8□RECESSION IMPACT□	46
2□RESEARCH METHODOLOGY□	47
2.1□RESEARCH DATA□	47
FIGURE 1□RESEARCH DESIGN□	47
2.2□MARKET BREAKDOWN AND DATA TRIANGULATION□	48
FIGURE 2□DATA TRIANGULATION□	48
2.2.1□SECONDARY DATA□	49
2.2.1.1□Key data from secondary sources□	49
2.2.2□PRIMARY DATA□	49
2.2.2.1□Key data from primary sources□	50
2.2.2.2□Breakdown of primaries□	50
FIGURE 3□BREAKDOWN OF PRIMARIES: BY COMPANY, DESIGNATION, AND REGION□	51
2.3□MARKET SIZE ESTIMATION□	51
2.3.1□BOTTOM-UP APPROACH□	51
FIGURE 4□BOTTOM-UP APPROACH□	52
2.3.2□TOP-DOWN APPROACH□	53
FIGURE 5□TOP-DOWN APPROACH□	53
2.3.3□DEMAND-SIDE ANALYSIS□	54
FIGURE 6□METRICS CONSIDERED TO ANALYZE AND ASSESS DEMAND FOR LITHIUM IRON PHOSPHATE BATTERIES□	54
2.3.3.1□Assumptions for demand-side analysis□	54
2.3.4□SUPPLY-SIDE ANALYSIS□	55
FIGURE 7□KEY METRICS CONSIDERED TO ASSESS SUPPLY OF LITHIUM IRON PHOSPHATE BATTERIES□	55
FIGURE 8□SUPPLY-SIDE ANALYSIS□	56
2.3.4.1□Calculations for supply-side analysis□	56

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

2.3.4.2	Assumptions for supply-side analysis	56
2.4	FORECAST	57
2.5	IMPACT OF RECESSION	57
3	EXECUTIVE SUMMARY	58
TABLE 1	LITHIUM IRON PHOSPHATE BATTERIES MARKET: SNAPSHOT	58
FIGURE 9	100,001-540,000 MAH TO BE LARGEST SEGMENT DURING FORECAST PERIOD	59
FIGURE 10	AUTOMOTIVE SEGMENT TO DOMINATE LITHIUM IRON PHOSPHATE BATTERIES MARKET DURING FORECAST PERIOD	59
FIGURE 11	PORTABLE SEGMENT TO HOLD LARGER SHARE OF LITHIUM IRON PHOSPHATE BATTERIES MARKET BETWEEN 2023 AND 2028	60
FIGURE 12	HIGH (ABOVE 36 V) SEGMENT TO HOLD LARGEST SHARE OF LITHIUM IRON PHOSPHATE BATTERIES MARKET IN 2028	60
FIGURE 13	ASIA PACIFIC DOMINATED LITHIUM IRON PHOSPHATE BATTERIES MARKET IN 2022	61
4	PREMIUM INSIGHTS	62
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN LITHIUM IRON PHOSPHATE BATTERIES MARKET	62
FIGURE 14	GROWING ADOPTION OF ELECTRIC VEHICLES TO DRIVE MARKET	62
4.2	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION	62
FIGURE 15	ASIA PACIFIC TO WITNESS HIGHEST GROWTH IN LITHIUM IRON PHOSPHATE BATTERIES MARKET DURING FORECAST PERIOD	62
4.3	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2022	63
FIGURE 16	100,001-540,000 MAH SEGMENT DOMINATED LITHIUM IRON PHOSPHATE BATTERIES MARKET IN 2022	63
4.4	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2022	63
FIGURE 17	AUTOMOTIVE SEGMENT DOMINATED LITHIUM IRON PHOSPHATE BATTERIES MARKET IN 2022	63
4.5	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2022	64
FIGURE 18	PORTABLE SEGMENT HELD LARGER MARKET SHARE IN 2022	64
4.6	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY VOLTAGE, 2022	64
FIGURE 19	HIGH (ABOVE 36 V) SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN 2022	64
4.7	ASIA PACIFIC LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY AND COUNTRY, 2022	65
FIGURE 20	AUTOMOTIVE SEGMENT AND CHINA HELD LARGEST SHARES OF ASIA PACIFIC LITHIUM IRON PHOSPHATE BATTERIES MARKET IN 2022	65
5	MARKET OVERVIEW	66
5.1	INTRODUCTION	66
5.2	MARKET DYNAMICS	66
FIGURE 21	LITHIUM IRON PHOSPHATE BATTERIES MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	66
5.2.1	DRIVERS	67
5.2.1.1	Increasing adoption of lithium iron phosphate batteries by EV manufacturers	67
FIGURE 22	GLOBAL EV SALES, 2020-2030 (IN TERMS OF VOLUME)	67
TABLE 2	GLOBAL EV SALES, BEV VS. PHEV (THOUSAND UNITS), 2017-2021	67
5.2.1.2	Growing demand for battery-operated material-handling equipment in various industries and rising industrial automation	68
5.2.2	RESTRAINTS	68
5.2.2.1	Risks associated with disposal of spent lithium-based batteries	68
5.2.3	OPPORTUNITIES	68
5.2.3.1	Transition from conventional to renewable power generation	68
FIGURE 23	GLOBAL ENERGY STORAGE CAPACITY ADDITION (GWH), 2016-2020	69
5.2.3.2	Growing investments in lithium iron phosphate batteries by key companies	69
5.2.4	CHALLENGES	69
5.2.4.1	Technical drawbacks related to lithium iron phosphate batteries	69
TABLE 3	LITHIUM-ION BATTERY SPECIFICATIONS	70
5.3	TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES	70

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.3.1	REVENUE SHIFT AND NEW REVENUE POCKETS FOR PLAYERS IN LITHIUM IRON PHOSPHATE BATTERIES MARKET	70
FIGURE 24	REVENUE SHIFT AND NEW REVENUE POCKETS FOR LITHIUM IRON PHOSPHATE BATTERY PROVIDERS	71
5.4	SUPPLY CHAIN ANALYSIS	71
FIGURE 25	LITHIUM IRON PHOSPHATE BATTERIES MARKET: SUPPLY CHAIN ANALYSIS	71
5.4.1	RAW MATERIAL/COMPONENT PROVIDERS	72
5.4.2	LITHIUM IRON PHOSPHATE BATTERY MANUFACTURERS	72
5.4.3	END USERS	72
5.5	ECOSYSTEM ANALYSIS	72
TABLE 4	LIST OF COMPANIES AND THEIR ROLE IN LITHIUM IRON PHOSPHATE BATTERIES ECOSYSTEM	72
5.6	MARKET MAP	73
FIGURE 26	LITHIUM IRON PHOSPHATE BATTERIES MARKET MAP	73
5.7	TECHNOLOGY ANALYSIS	73
TABLE 5	METHODS OF LITHIUM IRON PHOSPHATE SYNTHESIS	74
TABLE 6	MATERIAL COMPOSITION OF LITHIUM IRON PHOSPHATE CATHODE, BY RAW MATERIAL SUPPLIERS	77
TABLE 7	SHARE OF VARIOUS COMPONENTS OF LITHIUM IRON PHOSPHATE BATTERIES, BY WEIGHT (%)	77
TABLE 8	BREAKDOWN OF RAW MATERIALS FOR LITHIUM IRON PHOSPHATE BATTERIES, BY METHOD	78
5.8	PRICING ANALYSIS	78
5.8.1	AVERAGE SELLING PRICE (ASP) OF LITHIUM IRON PHOSPHATE BATTERIES IN MAJOR REGIONS	78
TABLE 9	AVERAGE SELLING PRICE (ASP) OF LITHIUM IRON PHOSPHATE BATTERIES IN MAJOR REGIONS, BY INDUSTRY	78
?		
5.9	PATENT ANALYSIS	79
TABLE 10	LITHIUM IRON PHOSPHATE BATTERIES: INNOVATIONS AND PATENT REGISTRATIONS, 2018-2023	79
5.10	STANDARDS AND REGULATORY ANALYSIS	82
5.10.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	82
TABLE 11	NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	82
TABLE 12	EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	82
TABLE 13	ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	83
TABLE 14	SOUTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	83
TABLE 15	MIDDLE EAST & AFRICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	84
5.10.2	STANDARDS	84
TABLE 16	LITHIUM IRON PHOSPHATE BATTERIES MARKET: STANDARDS	84
5.11	KEY CONFERENCES AND EVENTS, 2023-2024	86
TABLE 17	LITHIUM IRON PHOSPHATE BATTERIES MARKET: LIST OF CONFERENCES AND EVENTS	86
5.12	TRADE ANALYSIS	87
5.12.1	HS CODE 850680	87
5.12.1.1	Export scenario	87
TABLE 18	EXPORT SCENARIO FOR HS CODE 850680, BY COUNTRY, 2020-2022 (USD)	87
FIGURE 27	EXPORT DATA FOR HS CODE 850680 OF TOP FIVE COUNTRIES, 2020-2022 (USD)	88
5.12.1.2	Import scenario	89
TABLE 19	IMPORT SCENARIO FOR HS CODE 850680, BY COUNTRY, 2020-2022 (USD)	89
FIGURE 28	IMPORT DATA FOR HS CODE 850680 OF TOP FIVE COUNTRIES, 2020-2022 (USD)	90
5.13	CASE STUDY ANALYSIS	90
5.13.1	ATZ MARINE TECHNOLOGIES RETROFITTED PORT SHAFT OF VROON VESSEL	90
5.13.1.1	Objective	90
5.13.1.2	Solution statement	90
5.13.2	XYZ ELECTRIC VEHICLES ENHANCED EV PERFORMANCE BY INCORPORATING LITHIUM IRON PHOSPHATE BATTERIES	90
5.13.2.1	Objective	90

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.13.2.2	Solution statement	90
5.14	PORTER'S FIVE FORCES ANALYSIS	91
FIGURE 29	LITHIUM IRON PHOSPHATE BATTERIES MARKET: PORTER'S FIVE FORCES ANALYSIS	91
TABLE 20	LITHIUM IRON PHOSPHATE BATTERIES MARKET: PORTER'S FIVE FORCES ANALYSIS	92
5.14.1	THREAT OF NEW ENTRANTS	92
5.14.2	BARGAINING POWER OF BUYERS	92
5.14.3	BARGAINING POWER OF SUPPLIERS	92
5.14.4	THREAT OF SUBSTITUTES	93
5.14.5	INTENSITY OF COMPETITIVE RIVALRY	93
5.15	KEY STAKEHOLDERS AND BUYING CRITERIA	93
5.15.1	KEY STAKEHOLDERS IN BUYING PROCESS	93
FIGURE 30	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE INDUSTRIES	93
TABLE 21	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE INDUSTRIES	94
5.15.2	BUYING CRITERIA	94
FIGURE 31	KEY BUYING CRITERIA FOR TOP THREE INDUSTRIES	94
TABLE 22	KEY BUYING CRITERIA FOR TOP THREE INDUSTRIES	94
6	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY DESIGN	95
6.1	INTRODUCTION	95
6.2	CELL	95
TABLE 23	LITHIUM IRON PHOSPHATE BATTERIES MARKET: COMPANY FOOTPRINT, BY DESIGN (CELL)	95
6.3	BATTERY PACK	96
TABLE 24	LITHIUM IRON PHOSPHATE BATTERIES MARKET: COMPANY FOOTPRINT, BY DESIGN (BATTERY PACK)	96
7	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY VOLTAGE	98
7.1	INTRODUCTION	99
FIGURE 32	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY VOLTAGE, 2022	99
TABLE 25	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY VOLTAGE, 2017-2022 (USD MILLION)	99
TABLE 26	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY VOLTAGE, 2023-2028 (USD MILLION)	99
7.2	LOW (BELOW 12 V)	100
7.2.1	LIGHTWEIGHT AND SMALL SIZE OF LOW VOLTAGE LITHIUM IRON PHOSPHATE BATTERIES TO INCREASE APPLICATION SCOPE	100
TABLE 27	LITHIUM IRON PHOSPHATE BATTERIES MARKET: COMPANY FOOTPRINT, BY VOLTAGE (LOW)	100
7.3	MEDIUM (12-36 V)	101
7.3.1	RISING ADOPTION OF ENERGY STORAGE SYSTEMS AND EVS TO CREATE LUCRATIVE GROWTH OPPORTUNITIES	101
TABLE 28	LITHIUM IRON PHOSPHATE BATTERIES MARKET: COMPANY FOOTPRINT, BY VOLTAGE (MEDIUM)	101
7.4	HIGH (ABOVE 36 V)	102
7.4.1	GROWING SUSTAINABILITY CONCERNS TO BOOST DEMAND	102
TABLE 29	LITHIUM IRON PHOSPHATE BATTERIES MARKET: COMPANY FOOTPRINT, BY VOLTAGE (HIGH)	102
?		
8	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY	104
8.1	INTRODUCTION	105
FIGURE 33	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2022	105
TABLE 30	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION)	105
TABLE 31	LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION)	106
8.2	0-16,250 MAH	106
8.2.1	RISING DEMAND FOR MEDICAL INSTRUMENTS, COMMUNICATION EQUIPMENT, AND AUDIO AND VIDEO EQUIPMENT TO DRIVE MARKET	106
TABLE 32	0-16,250 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION)	106

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 33 0-16,250 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 107

8.3 16,251-50,000 MAH 107

8.3.1 GROWING ADOPTION OF ENERGY STORAGE SYSTEMS TO CREATE DEMAND 107

TABLE 34 16,251-50,000 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 107

TABLE 35 16,251-50,000 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 108

8.4 50,001-100,000 MAH 108

8.4.1 STRINGENT REGULATIONS ABOUT RECYCLING OF SOLID WASTE GENERATED BY USED LEAD-ACID BATTERIES TO BOOST MARKET GROWTH 108

TABLE 36 50,001-100,000 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 108

TABLE 37 50,001-100,000 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 109

8.5 100,001-540,000 MAH 109

8.5.1 RISING SUSTAINABILITY CONCERNS AND TRANSITION TOWARD EVS TO PROPEL MARKET 109

TABLE 38 100,001-540,000 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 109

TABLE 39 100,001-540,000 MAH: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 110

9 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION 111

9.1 INTRODUCTION 112

FIGURE 34 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2022 112

TABLE 40 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 112

TABLE 41 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 112

9.2 PORTABLE 113

9.2.1 RISING DEMAND FOR EVS, HEVS, AND PHEVS TO DRIVE MARKET 113

TABLE 42 PORTABLE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 113

TABLE 43 PORTABLE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 113

9.3 STATIONARY 114

9.3.1 RISING DEMAND FOR LITHIUM IRON PHOSPHATE BATTERIES FROM ENERGY STORAGE SYSTEM MANUFACTURERS TO BOOST MARKET 114

TABLE 44 STATIONARY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 114

TABLE 45 STATIONARY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 114

10 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY 115

10.1 INTRODUCTION 116

FIGURE 35 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2022 116

TABLE 46 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 116

TABLE 47 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 117

10.2 AUTOMOTIVE 117

10.2.1 INCREASING ADOPTION OF EVS AND PRESENCE OF FAVORABLE GOVERNMENT POLICIES TO DRIVE MARKET 117

TABLE 48 AUTOMOTIVE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 117

TABLE 49 AUTOMOTIVE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 118

TABLE 50 AUTOMOTIVE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY TYPE, 2022-2028 (USD MILLION) 118

10.2.2 BATTERY ELECTRIC VEHICLE (BEV) 118

10.2.3 HYBRID ELECTRIC VEHICLE (HEV) 119

10.2.4 PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV) 119

10.2.5 2- & 3-WHEELERS 119

10.2.6 BUS & TRUCK 119

10.3 POWER 120

10.3.1 RISING ADOPTION OF ENERGY STORAGE SYSTEMS TO PROVIDE LUCRATIVE GROWTH OPPORTUNITIES 120

TABLE 51 POWER: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 120

TABLE 52 POWER: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 120

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 53 POWER: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY TYPE, 2022-2028 (USD MILLION) 121

10.3.2 STATIONARY 121

10.3.3 RESIDENTIAL 121

10.4 INDUSTRIAL 121

10.4.1 GROWING INFRASTRUCTURE DEVELOPMENT AND NEED FOR HIGH ENERGY DENSITY BATTERIES TO BOOST DEMAND 121

FIGURE 36 CONSTRUCTION EQUIPMENT SUB-SEGMENT HELD LARGEST SHARE OF LITHIUM IRON PHOSPHATE BATTERIES MARKET FOR INDUSTRIAL SEGMENT IN 2022 122

TABLE 54 INDUSTRIAL: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 122

TABLE 55 INDUSTRIAL: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 122

10.4.2 FORKLIFTS 123

10.4.3 MINING EQUIPMENT 123

10.4.4 CONSTRUCTION EQUIPMENT 123

10.5 CONSUMER ELECTRONICS 123

10.5.1 LONG RUNTIME, FAST RECHARGE TIME, AND LIGHTWEIGHT TO FUEL DEMAND 123

FIGURE 37 UPS SUB-SEGMENT HELD LARGEST SHARE OF LITHIUM IRON PHOSPHATE BATTERIES MARKET FOR CONSUMER ELECTRONICS SEGMENT IN 2022 124

TABLE 56 CONSUMER ELECTRONICS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 124

TABLE 57 CONSUMER ELECTRONICS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 125

10.5.2 UPS 125

10.5.3 CAMPING EQUIPMENT 125

10.5.4 OTHERS 125

10.6 AEROSPACE 126

10.6.1 GROWING DEMAND FOR LOW-COST, HIGH-POWER, AND SAFE SOLUTIONS TO DRIVE MARKET 126

TABLE 58 AEROSPACE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 126

TABLE 59 AEROSPACE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 127

10.7 MARINE 127

10.7.1 TECHNICAL CAPABILITIES OF LITHIUM IRON PHOSPHATE BATTERIES TO BOOST ADOPTION 127

TABLE 60 MARINE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 127

TABLE 61 MARINE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 128

10.7.2 COMMERCIAL 128

10.7.3 TOURISM 128

10.7.4 NAVY 129

10.8 OTHERS 129

TABLE 62 OTHERS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 129

TABLE 63 OTHERS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 130

TABLE 64 OTHERS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY TYPE, 2022-2028 (USD MILLION) 130

10.8.1 TELECOMMUNICATIONS 130

10.8.2 MEDICAL 131

11 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION 132

11.1 INTRODUCTION 133

FIGURE 38 ASIA PACIFIC TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD 133

FIGURE 39 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2022 133

TABLE 65 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (USD MILLION) 134

TABLE 66 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (USD MILLION) 134

TABLE 67 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2017-2022 (THOUSAND UNITS) 134

TABLE 68 LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY REGION, 2023-2028 (THOUSAND UNITS) 135

11.2 ASIA PACIFIC 135

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

11.2.1 ASIA PACIFIC: RECESSION IMPACT 135

FIGURE 40 ASIA PACIFIC: SNAPSHOT OF LITHIUM IRON PHOSPHATE BATTERIES MARKET 136

11.2.2 BY CAPACITY 137

TABLE 69 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 137

TABLE 70 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 137

11.2.3 BY INDUSTRY 137

TABLE 71 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 137

TABLE 72 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 138

11.2.4 BY APPLICATION 138

TABLE 73 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 138

TABLE 74 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 138

11.2.5 BY COUNTRY 139

TABLE 75 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY COUNTRY, 2017-2022 (USD MILLION) 139

TABLE 76 ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 139

11.2.5.1 China 139

11.2.5.1.1 Increasing EV production 139

TABLE 77 CHINA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 140

TABLE 78 CHINA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 140

TABLE 79 CHINA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 141

TABLE 80 CHINA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 141

TABLE 81 CHINA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 141

TABLE 82 CHINA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 142

11.2.5.2 India 142

11.2.5.2.1 Rising adoption of electricity-based transportation solutions 142

TABLE 83 INDIA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 143

TABLE 84 INDIA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 143

TABLE 85 INDIA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 143

TABLE 86 INDIA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 144

TABLE 87 INDIA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 144

TABLE 88 INDIA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 144

11.2.5.3 Japan 145

11.2.5.3.1 Increasing developments in EVs and associated charging infrastructure 145

TABLE 89 JAPAN: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 145

TABLE 90 JAPAN: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 146

TABLE 91 JAPAN: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 146

TABLE 92 JAPAN: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 146

TABLE 93 JAPAN: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 147

TABLE 94 JAPAN: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 147

11.2.5.4 South Korea 147

11.2.5.4.1 Growing government-led initiatives for boosting adoption of EVs 147

TABLE 95 SOUTH KOREA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 148

TABLE 96 SOUTH KOREA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 148

TABLE 97 SOUTH KOREA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 148

TABLE 98 SOUTH KOREA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 149

TABLE 99 SOUTH KOREA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 149

TABLE 100 SOUTH KOREA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 149

11.2.5.5 Rest of Asia Pacific 150

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 101 □ REST OF ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) □ 150

TABLE 102 □ REST OF ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) □ 150

TABLE 103 □ REST OF ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) □ 151

TABLE 104 □ REST OF ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) □ 151

TABLE 105 □ REST OF ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) □ 151

TABLE 106 □ REST OF ASIA PACIFIC: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) □ 152

11.3 □ EUROPE □ 152

11.3.1 □ EUROPE: RECESSION IMPACT □ 152

FIGURE 41 □ EUROPE: SNAPSHOT OF LITHIUM IRON PHOSPHATE BATTERIES MARKET □ 153

11.3.2 □ BY CAPACITY □ 154

TABLE 107 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) □ 154

TABLE 108 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) □ 154

11.3.3 □ BY INDUSTRY □ 154

TABLE 109 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) □ 154

TABLE 110 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) □ 155

11.3.4 □ BY APPLICATION □ 155

TABLE 111 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) □ 155

TABLE 112 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) □ 155

11.3.5 □ BY COUNTRY □ 156

TABLE 113 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY COUNTRY, 2017-2022 (USD MILLION) □ 156

TABLE 114 □ EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY COUNTRY, 2023-2028 (USD MILLION) □ 156

11.3.5.1 □ UK □ 156

11.3.5.1.1 □ Expanding EV industry □ 156

TABLE 115 □ UK: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) □ 157

TABLE 116 □ UK: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) □ 157

TABLE 117 □ UK: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) □ 158

TABLE 118 □ UK: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) □ 158

TABLE 119 □ UK: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) □ 158

TABLE 120 □ UK: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) □ 159

11.3.5.2 □ Germany □ 159

11.3.5.2.1 □ Rising demand from automobile manufacturers □ 159

TABLE 121 □ GERMANY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) □ 159

TABLE 122 □ GERMANY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) □ 160

TABLE 123 □ GERMANY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) □ 160

TABLE 124 □ GERMANY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) □ 160

TABLE 125 □ GERMANY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) □ 161

TABLE 126 □ GERMANY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) □ 161

11.3.5.3 □ Netherlands □ 161

11.3.5.3.1 □ Growing sustainability concerns and presence of favorable government policies □ 161

TABLE 127 □ NETHERLANDS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) □ 162

TABLE 128 □ NETHERLANDS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) □ 162

TABLE 129 □ NETHERLANDS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) □ 162

TABLE 130 □ NETHERLANDS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) □ 163

TABLE 131 □ NETHERLANDS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) □ 163

TABLE 132 □ NETHERLANDS: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) □ 163

11.3.5.4 □ Norway □ 164

11.3.5.4.1 □ Increasing adoption of EVs over conventional combustion vehicles □ 164

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 133 NORWAY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 164

TABLE 134 NORWAY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 164

TABLE 135 NORWAY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 165

TABLE 136 NORWAY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 165

TABLE 137 NORWAY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 165

TABLE 138 NORWAY: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 166

11.3.5.5 Rest of Europe 166

TABLE 139 REST OF EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 166

TABLE 140 REST OF EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 166

TABLE 141 REST OF EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 167

TABLE 142 REST OF EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 167

TABLE 143 REST OF EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 167

TABLE 144 REST OF EUROPE: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 168

11.4 NORTH AMERICA 168

11.4.1 NORTH AMERICA: RECESSION IMPACT 168

11.4.2 BY CAPACITY 169

TABLE 145 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 169

TABLE 146 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 169

11.4.3 BY INDUSTRY 169

TABLE 147 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 169

TABLE 148 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 170

11.4.4 BY APPLICATION 170

TABLE 149 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 170

TABLE 150 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 170

11.4.5 BY COUNTRY 171

TABLE 151 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY COUNTRY, 2017-2022 (USD MILLION) 171

TABLE 152 NORTH AMERICA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 171

11.4.5.1 US 171

11.4.5.1.1 Ongoing large-scale projects 171

TABLE 153 US: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 172

TABLE 154 US: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 172

TABLE 155 US: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 172

TABLE 156 US: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 173

TABLE 157 US: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 173

TABLE 158 US: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 173

11.4.5.2 Canada 174

11.4.5.2.1 Stringent emission regulations and sustainability concerns 174

TABLE 159 CANADA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 174

TABLE 160 CANADA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 175

TABLE 161 CANADA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 175

TABLE 162 CANADA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 175

TABLE 163 CANADA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 176

TABLE 164 CANADA: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 176

11.4.5.3 Mexico 176

11.4.5.3.1 Rising foreign investments and infrastructure development 176

TABLE 165 MEXICO: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2017-2022 (USD MILLION) 177

TABLE 166 MEXICO: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY CAPACITY, 2023-2028 (USD MILLION) 177

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 167 MEXICO: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2017-2022 (USD MILLION) 177

TABLE 168 MEXICO: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY INDUSTRY, 2023-2028 (USD MILLION) 178

TABLE 169 MEXICO: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 178

TABLE 170 MEXICO: LITHIUM IRON PHOSPHATE BATTERIES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 178

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Lithium Iron Phosphate Batteries Market by Industry (Automotive, Power, Industrial, Consumer Electronics, Aerospace, Marine), Application (Portable, Stationary), Voltage (Low, Medium, High), Capacity, Design & Region - Global forecast to 2028

Market Report | 2023-07-03 | 278 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

2025-05-21

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