

Automotive Lead-Acid Battery Market by Product (SLI Batteries, Micro Hybrid, Auxiliary), Type (Flooded, VRLA), End Use (Passenger Cars, Light & Heavy Commercial Vehicles, Two Wheelers, Three Wheelers), and Region - Global Forecast to 2032

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Report description:

The global automotive lead acid battery market is projected to grow from USD 28.88 billion in 2024 to USD 36.72 billion by 2032, at a CAGR of 3.0% during the forecast period. The automotive industry continues to grow, especially in emerging economies like India, China, and Southeast Asia, the need for reliable and cost-effective battery solutions intensifies. Lead-acid batteries are the preferred choice for most vehicles due to their affordability, proven performance, and compatibility with conventional internal combustion engine (ICE) vehicles.

"Micro Hybrid Batteries segment, by product, is estimated to account for the second largest share during the forecast period." Micro-hybrid batteries hold the second-largest share in the automotive lead-acid battery market, driven by their compatibility with start-stop systems and increasing demand for fuel-efficient vehicles. These batteries are cost-effective compared to full-hybrid or electric alternatives and are specifically designed to handle the frequent charge and discharge cycles required by modern vehicle technologies. Stricter emission regulations and advancements in Enhanced Flooded Batteries (EFB) and Absorbent Glass Mat (AGM) technologies have further boosted their adoption. While traditional flooded lead-acid batteries dominate the market, micro-hybrid batteries are rapidly gaining traction, fueled by the automotive industry's shift toward more eco-friendly and efficient solutions.

"By type, flooded batteries segment accounted for the second largest share during the forecast period." Flooded batteries hold the second-largest share in the automotive lead-acid battery market by type, following Absorbent Glass

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Mat (AGM) batteries. Despite their traditional design, flooded batteries remain widely used due to their cost-effectiveness and reliable performance in standard vehicles. However, their market share has slightly declined as advancements in AGM and Enhanced Flooded Batteries (EFB) better meet the demands of modern automotive technologies, such as start-stop systems. Nevertheless, flooded batteries continue to be a preferred choice for many conventional vehicles, particularly in regions with a strong market for cost-sensitive consumers.

"By End-Use, light & heavy commercial vehicles segment accounted for the second largest share during the forecast period." Light and heavy commercial vehicles hold the second-largest share in the end-use segment of the automotive lead-acid battery market. This significant share is driven by the consistent demand for lead-acid batteries in commercial vehicles, which require reliable and durable power sources for starting, lighting, and ignition (SLI) functions. These vehicles often operate in challenging conditions and rely on lead-acid batteries for their affordability, widespread availability, and ability to provide dependable performance. While passenger vehicles dominate the market, the growth of logistics, construction, and transportation industries has bolstered the adoption of lead-acid batteries in commercial vehicles, sustaining their prominent position in the market.

"By Customer Segment, OEM segment accounted for the second largest share during the forecast period." The OEM (Original Equipment Manufacturer) segment holds the second-largest share in the customer segment of the automotive lead-acid battery market. This position is attributed to the steady demand for lead-acid batteries in new vehicle production, where manufacturers prioritize cost-effective and reliable battery solutions for starting, lighting, and ignition (SLI) applications. Although the aftermarket segment leads due to the frequent replacement cycles of batteries, the OEM segment benefits from the continuous production of conventional vehicles and the incorporation of advanced lead-acid battery technologies, such as AGM and EFB, in modern vehicles equipped with start-stop systems. This ensures the OEM segment remains a key contributor to the market's overall growth.

"North America region is estimated to account for the second largest share during the forecast period." North America holds the second-largest share in the regional segment of the automotive lead-acid battery market. This is driven by the robust automotive industry in the region, which includes both the production of traditional vehicles and the increasing adoption of technologies like start-stop systems in newer models. The demand for lead-acid batteries in North America is bolstered by their widespread use in light vehicles, commercial vehicles, and replacement markets. Additionally, the region benefits from a well-established automotive manufacturing base and strong aftermarket demand, ensuring that lead-acid batteries continue to be a preferred power source due to their affordability and reliability.

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- 30%, Managers- 25%, and Others - 45%

-□By Region: North America - 30%, Europe - 20%, Asia Pacific - 40%, Middle East and Africa - 7%, and South America - 3%

EnerSys (US), Clarios (US), East Penn Manufacturing Company (US), GS Yuasa International Ltd. (Japan), and Exide Industries Ltd. (India) are some of the major players in the automotive lead acid battery market. These players have adopted acquisitions, expansions, product launches, and partnerships to increase their market share and business revenue.

Research Coverage:

The report defines, segments, and projects the automotive lead acid battery market based on product, type, end use, customer segment, and region. It provides detailed information regarding the major factors influencing the market's growth, such as drivers, restraints, opportunities, and challenges. It strategically profiles automotive lead acid battery manufacturers. It comprehensively analyzes their market shares and core competencies and tracks and analyzes competitive developments, such as expansions, agreements, product launches, and acquisitions, undertaken by them in the market.

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Reasons to Buy the Report:

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

The report provides insights on the following pointers:

- Analysis of key drivers (Well-established technology & cost-effective energy solution and easily recyclable compared with lithium-ion batteries), restraints (risk of battery explosion due to overcharging), opportunities (technological advancements enhancing durability and reducing maintenance requirements), and challenges (limited usage capacity of lead acid batteries) influencing the growth of the automotive lead acid battery market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities in the automotive lead acid battery market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the automotive lead acid battery market across varied regions.
- Market Diversification: Exhaustive information about various types, untapped geographies, new products, recent developments, and investments in the automotive lead acid battery market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players in the automotive lead acid battery market, such as EnerSys (US), Clarios (US), East Penn Manufacturing Company (US), GS Yuasa International Ltd. (Japan), Exide Industries Ltd. (India), and others.

Table of Contents:

1	INTRODUCTION	24
1.1	STUDY OBJECTIVES	24
1.2	MARKET DEFINITION	24
1.3	STUDY SCOPE	25
1.3.1	MARKETS COVERED	25
1.3.2	INCLUSIONS AND EXCLUSIONS	26
1.4	YEARS CONSIDERED	26
1.5	CURRENCY CONSIDERED	26
1.6	UNITS CONSIDERED	27
1.7	LIMITATIONS	27
1.8	STAKEHOLDERS	27
1.9	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 ANALYSIS	32

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2.3	MARKET SIZE ESTIMATION	32
2.3.1	BOTTOM-UP APPROACH	33
2.3.2	TOP-DOWN APPROACH	33
2.4	SUPPLY-SIDE ANALYSIS	34
2.4.1	CALCULATIONS FOR SUPPLY-SIDE ANALYSIS	35
2.5	GROWTH FORECAST	35
2.6	DATA TRIANGULATION	36
2.7	RESEARCH ASSUMPTIONS	37
2.8	RESEARCH LIMITATIONS	37
2.9	RISK ASSESSMENT	37
3	EXECUTIVE SUMMARY	38
4	PREMIUM INSIGHTS	42
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN AUTOMOTIVE LEAD-ACID BATTERY MARKET	42
4.2	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY REGION	42
4.3	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY KEY COUNTRY	43
5	MARKET OVERVIEW	44
5.1	INTRODUCTION	44
5.2	MARKET DYNAMICS	44
5.2.1	DRIVERS	45
5.2.1.1	High demand for cost-effective and reliable batteries in automotive industry and affordability	45
5.2.1.2	Easy recyclability compared with lithium-ion batteries	45
5.2.2	RESTRAINTS	46
5.2.2.1	Risk of battery explosion due to overcharging	46
5.2.2.2	Growing adoption of lithium-ion batteries	46
5.2.3	OPPORTUNITIES	46
5.2.3.1	Technological advancements to enhance durability of lead-acid batteries	46
5.2.4	CHALLENGES	47
5.2.4.1	Limited capacity of lead-acid batteries	47
6	INDUSTRY TRENDS	48
6.1	PORTER'S FIVE FORCES ANALYSIS	48
6.1.1	BARGAINING POWER OF SUPPLIERS	49
6.1.2	BARGAINING POWER OF BUYERS	49
6.1.3	THREAT OF NEW ENTRANTS	50
6.1.4	THREAT OF SUBSTITUTES	50
6.1.5	INTENSITY OF COMPETITIVE RIVALRY	50
6.2	KEY STAKEHOLDERS AND BUYING CRITERIA	51
6.2.1	KEY STAKEHOLDERS IN BUYING PROCESS	51
6.2.2	BUYING CRITERIA	52
6.3	GLOBAL MACROECONOMIC OUTLOOK	53
6.3.1	GDP	53
6.3.2	EXPANDING AUTOMOTIVE INDUSTRY	55
6.4	VALUE CHAIN ANALYSIS	56
6.5	ECOSYSTEM ANALYSIS	58
6.6	PRICING ANALYSIS	59
6.6.1	AVERAGE SELLING PRICE TREND, BY REGION, 2021-2023	59
6.6.2	AVERAGE SELLING PRICE TREND, BY TYPE, 2023	60
6.6.3	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TYPE	61

6.6.4	AVERAGE RETAIL PRICE OF AUTOMOTIVE LEAD-ACID BATTERIES OFFERED BY KEY PLAYERS, BY CAPACITY RANGE, 2024	62
6.7	TARIFF AND REGULATORY LANDSCAPE	64
6.7.1	TARIFF ANALYSIS	64
6.7.2	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	65
?		
6.8	KEY CONFERENCES AND EVENTS, 2024-2025	67
6.9	PATENT ANALYSIS	68
6.9.1	METHODOLOGY	68
6.10	TECHNOLOGY ANALYSIS	73
6.10.1	KEY TECHNOLOGIES	73
6.10.1.1	Absorbed glass mat (AGM)	73
6.10.2	COMPLEMENTARY TECHNOLOGIES	73
6.10.2.1	Enhanced flooded battery (EFB)	73
6.10.3	ADJACENT TECHNOLOGIES	74
6.10.3.1	Advanced lead-acid battery	74
6.11	TRADE ANALYSIS	74
6.11.1	IMPORT SCENARIO (HS CODE 850720)	74
6.11.2	EXPORT SCENARIO (HS CODE 850720)	75
6.12	INVESTMENT AND FUNDING SCENARIO	76
6.13	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	77
6.14	IMPACT OF GENERATIVE AI/AI ON AUTOMOTIVE LEAD-ACID BATTERY MARKET	78
6.14.1	INTRODUCTION	78
6.14.2	ENHANCEMENT OF BATTERY MANAGEMENT SYSTEMS (BMS)	78
6.14.3	OPTIMIZATION OF CHARGING PROFILES	78
6.14.4	PREDICTIVE MAINTENANCE AND FAILURE ANALYSIS	78
7	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY PRODUCT	79
7.1	INTRODUCTION	80
7.2	SLI BATTERIES	81
7.2.1	CONTINUOUS GROWTH OF AUTOMOTIVE INDUSTRY, ESPECIALLY IN DEVELOPING ECONOMIES, TO FUEL DEMAND	81
7.3	MICRO HYBRID BATTERIES	82
7.3.1	RIISING DEMAND FOR SUSTAINABLE MOBILITY SOLUTIONS AND FUEL-EFFICIENT VEHICLES TO PROPEL DEMAND	82
7.4	AUXILIARY BATTERIES	83
7.4.1	INCREASING ELECTRIFICATION OF AUTOMOBILES TO BOOST DEMAND	83
8	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY TYPE	85
8.1	INTRODUCTION	86
8.2	FLOODED BATTERIES	87
8.2.1	TRADITIONAL FLOODED BATTERIES	88
8.2.1.1	Relatively low initial cost and reliable performance under challenging circumstances to fuel market growth	88
8.2.2	ENHANCED FLOODED BATTERIES	88
8.2.2.1	Improved performance tailored for modern vehicles with start-stop systems to drive market	88
?		
8.3	VRLA BATTERIES	88
8.3.1	ABSORBED GLASS MAT BATTERIES	89
8.3.1.1	Superior performance and durability to fuel market growth	89
8.3.2	OTHER VRLA BATTERIES	90
9	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY CUSTOMER SEGMENT	91
9.1	INTRODUCTION	92

9.2	OEM	93
9.2.1	INCREASING VEHICLE PRODUCTION TO FUEL MARKET GROWTH	93
9.3	AFTERMARKET	93
9.3.1	RIISING BATTERY REPLACEMENTS AND SYSTEM UPGRADES BY VEHICLE OWNERS TO DRIVE MARKET	93
10	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY END USE	95
10.1	INTRODUCTION	96
10.2	PASSENGER CARS	97
10.2.1	RIISING DISPOSABLE INCOME AND URBANIZATION TO DRIVE MARKET	97
10.3	LIGHT & HEAVY COMMERCIAL VEHICLES	98
10.3.1	HIGH STARTING POWER AND ELECTRICAL SUPPORT TO DRIVE MARKET	98
10.4	TWO WHEELERS	99
10.4.1	COST-EFFECTIVENESS TO SUPPORT MARKET GROWTH	99
10.5	THREE WHEELERS	100
10.5.1	AFFORDABILITY AND WIDESPREAD AVAILABILITY TO PROPEL MARKET	100
11	AUTOMOTIVE LEAD-ACID BATTERY MARKET, BY REGION	102
11.1	INTRODUCTION	103
11.2	NORTH AMERICA	105
11.2.1	US	108
11.2.1.1	Growing consumer demand for vehicles to drive market	108
11.2.2	CANADA	109
11.2.2.1	Rise in commercial motor vehicle production to drive market	109
11.2.3	MEXICO	110
11.2.3.1	Increasing investments in automotive sector to fuel demand for advanced lead-acid batteries	110
11.3	EUROPE	112
11.3.1	UK	115
11.3.1.1	Increased production of commercial vehicles to drive market	115
11.3.2	GERMANY	116
11.3.2.1	Growth of transportation sector to drive market	116
11.3.3	ITALY	117
11.3.3.1	Rising demand for cars and commercial vehicles to propel market	117
11.3.4	FRANCE	118
11.3.4.1	Growing number of cars with start-stop systems to boost demand	118
11.3.5	REST OF EUROPE	119
11.4	ASIA PACIFIC	120
11.4.1	CHINA	123
11.4.1.1	Rising population and increasing demand for cars to propel market	123
11.4.2	JAPAN	124
11.4.2.1	Presence of leading automotive manufacturers to fuel market growth	124
11.4.3	INDIA	125
11.4.3.1	Increasing requirements for passenger cars and government initiatives to boost market growth	125
11.4.4	SOUTH KOREA	126
11.4.4.1	Increasing production of commercial vehicles with internal combustion engines to drive market	126
11.4.5	REST OF ASIA PACIFIC	127
11.5	MIDDLE EAST & AFRICA	128
11.5.1	UAE	131
11.5.1.1	Growth of automotive aftermarket to drive market	131
11.5.2	SAUDI ARABIA	132

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11.5.2.1	Government policies to boost market growth	132
11.5.3	SOUTH AFRICA	133
11.5.3.1	Government initiatives to support market growth	133
11.5.4	REST OF MIDDLE EAST & AFRICA	134
11.6	SOUTH AMERICA	135
11.6.1	BRAZIL	137
11.6.1.1	Increased production of flexible-fuel vehicles to drive market	137
11.6.2	CHILE	138
11.6.2.1	Shift toward affordable, recyclable, and dependable energy storage options to drive adoption	138
11.6.3	REST OF SOUTH AMERICA	139
12	COMPETITIVE LANDSCAPE	141
12.1	INTRODUCTION	141
12.2	KEY PLAYER STRATEGIES/RIGHT TO WIN	141
12.3	REVENUE ANALYSIS	143
12.4	MARKET SHARE ANALYSIS	144
12.5	BRAND/PRODUCT COMPARISON	147
12.5.1	ENERSYS	147
12.5.2	CLARIOS	147
12.5.3	EXIDE INDUSTRIES LTD.	147
12.5.4	GS YUASA INTERNATIONAL LTD.	148
12.5.5	EAST PENN MANUFACTURING COMPANY	148
	?	
12.6	COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023	148
12.6.1	STARS	148
12.6.2	EMERGING LEADERS	148
12.6.3	PERVASIVE PLAYERS	148
12.6.4	PARTICIPANTS	149
12.6.5	COMPANY FOOTPRINT: KEY PLAYERS, 2023	150
12.6.5.1	Company footprint	150
12.6.5.2	Region footprint	151
12.6.5.3	Product footprint	152
12.6.5.4	Type footprint	153
12.6.5.5	End-use footprint	154
12.6.5.6	Customer segment footprint	155
12.7	COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023	156
12.7.1	PROGRESSIVE COMPANIES	156
12.7.2	RESPONSIVE COMPANIES	156
12.7.3	DYNAMIC COMPANIES	156
12.7.4	STARTING BLOCKS	156
12.7.5	COMPETITIVE BENCHMARKING	158
12.7.5.1	Detailed list of key startups/SMEs	158
12.7.5.2	Competitive benchmarking of key startups/SMEs	159
12.8	COMPANY VALUATION AND FINANCIAL METRICS	160
12.9	COMPETITIVE SCENARIO	162
12.9.1	PRODUCT LAUNCHES	162
12.9.2	DEALS	163
12.9.3	EXPANSIONS	164

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13	COMPANY PROFILES	165
13.1	KEY PLAYERS	165
13.1.1	ENERSYS	165
13.1.1.1	Business overview	165
13.1.1.2	Products offered	166
13.1.1.3	Recent developments	168
13.1.1.3.1	Product launches	168
13.1.1.3.2	Deals	168
13.1.1.4	MnM view	170
13.1.1.4.1	Key strengths	170
13.1.1.4.2	Strategic choices	170
13.1.1.4.3	Weaknesses & competitive threats	170
13.1.2	CLARIOS	171
13.1.2.1	Business overview	171
13.1.2.2	Products offered	171
13.1.2.3	Recent developments	174
13.1.2.3.1	Product launches	174
13.1.2.3.2	Deals	175
13.1.2.3.3	Expansions	175
13.1.2.4	MnM view	176
13.1.2.4.1	Key strengths	176
13.1.2.4.2	Strategic choices	176
13.1.2.4.3	Weaknesses & competitive threats	176
13.1.3	EXIDE INDUSTRIES LTD.	177
13.1.3.1	Business overview	177
13.1.3.2	Products offered	178
13.1.3.3	Recent developments	181
13.1.3.3.1	Product launches	181
13.1.3.4	MnM view	181
13.1.3.4.1	Key strengths	181
13.1.3.4.2	Strategic choices	181
13.1.3.4.3	Weaknesses & competitive threats	182
13.1.4	GS YUASA INTERNATIONAL LTD.	183
13.1.4.1	Business overview	183
13.1.4.2	Products offered	184
13.1.4.3	Recent developments	186
13.1.4.3.1	Product launches	186
13.1.4.4	MnM view	187
13.1.4.4.1	Key strengths	187
13.1.4.4.2	Strategic choices	187
13.1.4.4.3	Weaknesses & competitive threats	187
13.1.5	EAST PENN MANUFACTURING COMPANY	188
13.1.5.1	Business overview	188
13.1.5.2	Products offered	188
13.1.5.3	MnM view	190
13.1.5.3.1	Key strengths	190

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13.1.5.3.2	Strategic choices	190
13.1.5.3.3	Weaknesses & competitive threats	190
13.1.6	C&D TECHNOLOGIES, INC.	191
13.1.6.1	Business overview	191
13.1.6.2	Products offered	191
?		
13.1.7	CAMEL GROUP CO., LTD	192
13.1.7.1	Business overview	192
13.1.7.2	Products offered	192
13.1.7.3	Recent developments	193
13.1.7.3.1	Expansions	193
13.1.8	TIANNENG RECHARGEABLE BATTERY MANUFACTURERS	194
13.1.8.1	Business overview	194
13.1.8.2	Products offered	194
13.1.8.3	Recent developments	196
13.1.8.3.1	Expansions	196
13.1.9	LEOCH INTERNATIONAL TECHNOLOGY LIMITED	198
13.1.9.1	Business overview	198
13.1.9.2	Products offered	199
13.1.9.3	Recent developments	204
13.1.9.3.1	Expansions	204
13.1.10	AMARA RAJA ENERGY & MOBILITY LIMITED	205
13.1.10.1	Business overview	205
13.1.10.2	Products offered	206
13.1.11	THE FURUKAWA BATTERY CO., LTD.	208
13.1.11.1	Business overview	208
13.1.11.2	Products offered	209
13.1.12	ROBERT BOSCH LLC	211
13.1.12.1	Business overview	211
13.1.12.2	Products offered	213
13.1.13	REEM BATTERIES	214
13.1.13.1	Business overview	214
13.1.13.2	Products offered	214
13.1.14	CENTURY BATTERIES INDONESIA	216
13.1.14.1	Business overview	216
13.1.14.2	Products offered	216
13.1.15	STRYTEN ENERGY	218
13.1.15.1	Business overview	218
13.1.15.2	Products offered	218
13.1.15.3	Recent developments	220
13.1.15.3.1	Product launches	220
13.1.15.3.2	Deals	220
13.1.15.3.3	Expansions	221
?		
13.1.16	EXIDE TECHNOLOGIES	222
13.1.16.1	Business overview	222
13.1.16.2	Products offered	222

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13.1.16.3	Recent developments	226
13.1.16.3.1	Product launches	226
13.1.16.3.2	Deals	226
13.1.17	CROWN BATTERY	227
13.1.17.1	Business overview	227
13.1.17.2	Products offered	227
13.1.18	FIAMM ENERGY TECHNOLOGY S.P.A.	229
13.1.18.1	Business overview	229
13.1.18.2	Products offered	229
13.1.18.3	Recent developments	231
13.1.18.3.1	Product launches	231
13.1.18.3.2	Deals	232
13.1.19	CSB ENERGY TECHNOLOGY CO., LTD.	233
13.1.19.1	Business overview	233
13.1.19.2	Products offered	233
13.1.20	MOURA ACCUMULATORS SA	234
13.1.20.1	Business overview	234
13.1.20.2	Products offered	234
13.2	OTHER PLAYERS	236
13.2.1	MEBCO	236
13.2.2	KOYOSONIC POWER CO., LTD.	237
13.2.3	RITAR INTERNATIONAL GROUP LIMITED	238
13.2.4	JYC BATTERY MANUFACTURER CO., LTD.	239
13.2.5	POWER SONIC CORPORATION	240
13.2.6	XINFU TECHNOLOGY (CHINA) CO., LIMITED	241
14	ADJACENT AND RELATED MARKETS	242
14.1	INTRODUCTION	242
14.2	LIMITATIONS	242
14.3	INTERCONNECTED MARKETS	242
14.4	ADVANCED LEAD-ACID BATTERY MARKET	242
14.4.1	MARKET DEFINITION	242
14.4.2	MARKET OVERVIEW	242
14.4.3	ADVANCED LEAD-ACID BATTERY MARKET, BY TYPE	243
14.4.3.1	Stationary	243
14.4.3.1.1	Use in commercial & residential and utility sectors to drive demand	243
14.4.3.2	Motive	244
14.4.3.2.1	Increased applications in transportation sector to boost market	244
15	APPENDIX	246
15.1	DISCUSSION GUIDE	246
15.2	KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL	249
15.3	CUSTOMIZATION OPTIONS	251
15.4	RELATED REPORTS	251
15.5	AUTHOR DETAILS	252

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	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"/>

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