

Uninterruptible Power Supply (UPS) Market Research Report Forecast to 2030

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Report description:

Uninterruptible Power Supply Market Forecast till 2030

Market Overview

The uninterruptible power supply (UPS) is a backup solution for power outages, with a short on-battery run-time enough to safely shut down active equipment, such as PCs, data centers, and television systems. UPS systems come in voltage-independent, voltage-dependent, and frequency-independent types and use flywheels, batteries, and supercapacitors to store power. They are quieter than traditional systems and provide immediate protection against power interruptions, ensuring consistent standby power to prevent operational disruption and data loss. UPS systems are widely used in healthcare centers, electric point of sale terminals, and telecommunications centers.

The growing demand for reliable power solutions across industries drives the market growth. UPS systems are used to provide uninterrupted power supply for large-scale manufacturing facilities and prevent power shortages. The increasing adoption of UPS systems in residential and commercial complexes is also contributing to the market growth.

Segment Overview

The market is segmented into product, component, application, and rating.

The market is divided into online conversion, offline/standby, and line-interactive sectors based on product type. The offline/standby category, which has a lower cost, modular design, and higher reliability, and accounted for the majority of the market, is expected to remain popular during the forecast period.

The demand for Uninterruptible Power Supply (UPS) units with a capacity up to 100 kVA has risen recently, driven by the growing need for reliable power in residential and commercial areas. The 10-100 kVA sector holds a substantial share of the global UPS market and is expected to maintain its dominance in the years to come.

The global UPS market is further divided by application, including telecommunications, data centers, industrial, medical, marine, residential & commercial, and others. Data centers were the first to adopt UPS systems to maintain seamless operations. Due to the widespread use of UPS systems in small to medium-sized data centers, the industrial segment now represents a significant portion of the market.

Regional Analysis

The North American Uninterruptible Power Supply (UPS) market is expected to grow significantly. The increasing demand for UPS

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in various end-user applications, such as industrial systems, phone systems, healthcare, and small businesses, is driving the market growth.

Meanwhile, the Asia-Pacific region is forecast to experience even faster growth, fueled by the rising number of data centers in countries like India, China, and Indonesia, as well as a favorable economic climate and affordability of UPS systems. The growth of small and medium-sized industries in the region is also contributing to the expansion of the UPS market.

Major Players

Schneider Electric (France), Eaton Corporation (Ireland), Emerson Electric (US), ABB (Switzerland), Socomec (France), Toshiba Corporation (Japan), Xiamen Kehua Hengsheng Co. Ltd. (China), KStar Corporation (China), East Group (China), and Beijing Dynamic Power Co. Ltd. (China).

COVID 19 Impacts

The pandemic caused a decline in industrial UPS demand due to reduced production and supply chain disruptions. Conversely, the demand for residential UPS systems grew as more people stayed at home. The increasing COVID cases also boosted demand for UPS systems in healthcare facilities where power interruptions could have fatal consequences. Despite the pandemic affecting many industries, the UPS market still saw decent growth.

The uninterruptible power supply (UPS) market has been significantly impacted by the COVID-19 outbreak. The shutdown of government, energy, and other private sector companies impacted both supply and demand, causing a decrease in sales. The global lockdowns have resulted in business continuity issues in various industries such as IT, healthcare, and manufacturing, leading to a decrease in demand for UPS. The frequent disruptions in business operations have led to fewer UPS sales in various sectors.

Table of Contents:

TABLE OF CONTENTS

1	EXECUTIVE SUMMARY	17
1.1	GLOBAL UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE	19
1.1.2	GLOBAL UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER	20
2	MARKET INTRODUCTION	21
2.1	DEFINITION	21
2.2	SCOPE OF THE STUDY	21
2.3	RESEARCH OBJECTIVE	21
2.4	MARKET STRUCTURE	21
3	RESEARCH METHODOLOGY	22
3.1	RESEARCH PROCESS	22
3.2	PRIMARY RESEARCH	23
3.3	SECONDARY RESEARCH	24
3.4	MARKET SIZE ESTIMATION	25
3.5	FORECAST MODEL	26
3.6	LIST OF ASSUMPTIONS	27
4	MARKET DYNAMICS	28
4.1	INTRODUCTION	28
4.2	DRIVERS	29
4.2.1	INCREASED ADOPTION OF MODULAR UPS SYSTEMS	29
4.2.2	GROWING DEMAND FROM DATA CENTERS	29
4.2.3	DRIVERS IMPACT ANALYSIS	30

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4.3	RESTRAINTS	30
4.3.1	RISK OF FAILURES ASSOCIATED WITH UPS BATTERIES	30
4.3.2	RESTRAINTS IMPACT ANALYSIS	31
4.4	OPPORTUNITIES	31
4.4.1	INCREASED DEPLOYMENT OF IT INFRASTRUCTURE ACROSS SMES	31
4.5	IMPACT ANALYSIS OF COVID-19	32
4.5.1	IMPACT ON OVERALL ENERGY & POWER INDUSTRY	32
4.5.1.1	ECONOMIC IMPACT	32
4.5.2	IMPACT ON THE GLOBAL UPS BATTERY MARKET	32
4.5.3	IMPACT ON SUPPLY CHAIN OF THE GLOBAL UPS BATTERY MARKET	32
4.5.3.1	PRICE VARIATION OF KEY RAW MATERIALS	32
4.5.3.2	PRODUCTION SHUTDOWN	33
4.5.3.3	CASH FLOW CONSTRAINTS	33
4.5.3.4	IMPACT ON IMPORT/EXPORT	33
4.5.4	IMPACT ON THE MARKET DEMAND FOR UPS BATTERY	33
4.5.4.1	IMPACT DUE TO LOCKDOWN	33
4.5.4.2	CONSUMER SENTIMENTS	33
4.5.5	IMPACT ON PRICING OF UPS BATTERY MARKET	33
5	MARKET FACTOR ANALYSIS	34
5.1	SUPPLY CHAIN ANALYSIS	34
5.1.1	DESIGN & DEVELOPMENT	34
5.1.2	RAW MATERIAL & COMPONENT SUPPLY	34
5.1.3	MANUFACTURE & ASSEMBLY	34
5.1.4	SALES & DISTRIBUTION	35
5.1.5	END USE	35
5.2	PORTER'S FIVE FORCES MODEL	35
5.2.1	THREAT OF NEW ENTRANTS	36
5.2.2	BARGAINING POWER OF SUPPLIERS	36
5.2.3	THREAT OF SUBSTITUTES	36
5.2.4	BARGAINING POWER OF BUYERS	36
5.2.5	INTENSITY OF RIVALRY	36
6	GLOBAL UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE	37
6.1	OVERVIEW	37
6.2	LEAD-ACID	38
6.3	LITHIUM-ION	38
6.4	NICKEL-CADMIUM	38
7	GLOBAL UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER	39
7.1	OVERVIEW	39
7.2	TELECOMMUNICATION	40
7.3	DATA CENTER	40
7.4	MEDICAL	40
7.5	INDUSTRIAL	40
7.6	OTHERS	40
8	GLOBAL UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY REGION	42
8.1	OVERVIEW	42
8.1.1	GLOBAL UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY REGION, 2018-2030	43
8.2	EUROPE	44

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- 8.2.1 EUROPE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY COUNTRY, 2018-2030 44
- 8.2.2 EUROPE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 45
- 8.2.3 EUROPE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 45
- 8.2.4 GERMANY 46
- 8.2.4.1 GERMANY: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 46
- 8.2.4.2 GERMANY: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 46
- 8.2.5 FRANCE 47
- 8.2.5.1 FRANCE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 47
- 8.2.5.2 FRANCE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 47
- 8.2.6 UK 47
- 8.2.6.1 UK: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 47
- 8.2.6.2 UK: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 48
- 8.2.7 ITALY 48
- 8.2.7.1 ITALY: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 48
- 8.2.7.2 ITALY: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 49
- 8.2.8 RUSSIA 49
- 8.2.8.1 RUSSIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 49
- 8.2.8.2 RUSSIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 50
- 8.2.9 SPAIN 50
- 8.2.9.1 SPAIN: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 50
- 8.2.9.2 SPAIN: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 51
- 8.2.10 REST OF EUROPE 51
- 8.2.10.1 REST OF EUROPE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 51
- 8.2.10.2 REST OF EUROPE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 52
- 8.3 NORTH AMERICA 53
- 8.3.1 NORTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY COUNTRY, 2018-2030 53
- 8.3.2 NORTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 54
- 8.3.3 NORTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 54
- 8.3.4 US 55
- 8.3.4.1 US: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 55
- 8.3.4.2 US: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 55
- 8.3.5 CANADA 55
- 8.3.5.1 CANADA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 55
- 8.3.5.2 CANADA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 56
- 8.3.6 MEXICO 56
- 8.3.6.1 MEXICO: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 56
- 8.3.6.2 MEXICO: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 57
- 8.4 ASIA-PACIFIC 58
- 8.4.1 ASIA-PACIFIC: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY COUNTRY, 2018-2030 (USD MILLION) 59
- 8.4.2 ASIA-PACIFIC: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 59
- 8.4.3 ASIA-PACIFIC: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 60
- 8.4.4 CHINA 60
- 8.4.4.1 CHINA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 60
- 8.4.4.2 CHINA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 61
- 8.4.5 INDIA 61
- 8.4.5.1 INDIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 61
- 8.4.5.2 INDIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 62

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- 8.4.6 JAPAN 62
 - 8.4.6.1 JAPAN: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 62
 - 8.4.6.2 JAPAN: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 63
- 8.4.7 SOUTH KOREA 63
 - 8.4.7.1 SOUTH KOREA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 63
 - 8.4.7.2 SOUTH KOREA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 64
- 8.4.8 AUSTRALIA 64
 - 8.4.8.1 AUSTRALIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 64
 - 8.4.8.2 AUSTRALIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 65
- 8.4.9 REST OF ASIA PACIFIC 65
 - 8.4.9.1 REST OF ASIA PACIFIC: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 65
 - 8.4.9.2 REST OF ASIA PACIFIC: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 66
- 8.5 MIDDLE EAST & AFRICA 67
 - 8.5.1 MIDDLE EAST & AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY COUNTRY, 2018-2030 67
 - 8.5.2 MIDDLE EAST & AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 68
 - 8.5.3 MIDDLE EAST & AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 68
 - 8.5.4 SAUDI ARABIA 69
 - 8.5.4.1 SAUDI ARABIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 69
 - 8.5.4.2 SAUDI ARABIA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 69
 - 8.5.5 UAE 69
 - 8.5.5.1 UAE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 69
 - 8.5.5.2 UAE: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 70
- 8.5.6 SOUTH AFRICA 70
 - 8.5.6.1 SOUTH AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 70
 - 8.5.6.2 SOUTH AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 71
- 8.5.7 REST OF MIDDLE EAST & AFRICA 71
 - 8.5.7.1 REST OF MIDDLE EAST & AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 71
 - 8.5.7.2 REST OF MIDDLE EAST & AFRICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 72
- 8.6 SOUTH AMERICA 73
 - 8.6.1 SOUTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY COUNTRY, 2018-2030 73
 - 8.6.2 SOUTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 74
 - 8.6.3 SOUTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 74
 - 8.6.4 BRAZIL 75
 - 8.6.4.1 BRAZIL: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 75
 - 8.6.4.2 BRAZIL: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 75
 - 8.6.5 ARGENTINA 76
 - 8.6.5.1 ARGENTINA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 76
 - 8.6.5.2 ARGENTINA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 76
- 8.6.6 REST OF SOUTH AMERICA 77
 - 8.6.6.1 REST OF SOUTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY TYPE, 2018-2030 77
 - 8.6.6.2 REST OF SOUTH AMERICA: UNINTERRUPTIBLE POWER SUPPLY (UPS) BATTERY MARKET, BY END USER, 2018-2030 77
- 9 COMPETITIVE LANDSCAPE 78
 - 9.1 OVERVIEW 78
 - 9.2 COMPETITIVE BENCHMARKING 79
 - 9.3 MARKET SHARE ANALYSIS 80
 - 9.4 KEY DEVELOPMENTS IN THE GLOBAL UPS BATTERY MARKET 80
 - 9.4.1 PRODUCT LAUNCH 80

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9.4.2	ACQUISITION	81
9.4.3	PARTNERSHIP	82
9.4.4	EXPANSION	83
10	COMPANY PROFILES	84
10.1	TOSHIBA CORPORATION	84
10.1.1	COMPANY OVERVIEW	84
10.1.2	FINANCIAL OVERVIEW	85
10.1.3	PRODUCTS OFFERED	85
10.1.4	KEY DEVELOPMENTS	86
10.1.5	SWOT ANALYSIS	86
10.1.6	KEY STRATEGIES	86
10.2	FIAMM ENERGY TECHNOLOGY S.P.A	87
10.2.1	COMPANY OVERVIEW	87
10.2.2	FINANCIAL OVERVIEW	87
10.2.3	PRODUCTS OFFERED	87
10.2.4	KEY DEVELOPMENTS	88
10.2.5	SWOT ANALYSIS	88
10.2.6	KEY STRATEGIES	88
10.3	GS YUASA CORPORATION	89
10.3.1	COMPANY OVERVIEW	89
10.3.2	FINANCIAL OVERVIEW	89
10.3.3	PRODUCTS OFFERED	90
10.3.4	KEY DEVELOPMENTS	90
10.3.5	SWOT ANALYSIS	91
10.3.6	KEY STRATEGIES	91
10.4	LEOCH INTERNATIONAL TECHNOLOGY LIMITED	92
10.4.1	COMPANY OVERVIEW	92
10.4.2	FINANCIAL OVERVIEW	92
10.4.3	PRODUCTS OFFERED	93
10.4.4	KEY DEVELOPMENTS	93
10.4.5	SWOT ANALYSIS	93
10.4.6	KEY STRATEGIES	94
10.5	VERTIV	95
10.5.1	COMPANY OVERVIEW	95
10.5.2	FINANCIAL OVERVIEW	95
10.5.3	PRODUCTS OFFERED	96
10.5.4	KEY DEVELOPMENTS	97
10.5.5	SWOT ANALYSIS	97
10.5.6	KEY STRATEGIES	97
10.6	ENERSYS	98
10.6.1	COMPANY OVERVIEW	98
10.6.2	FINANCIAL OVERVIEW	98
10.6.3	PRODUCTS OFFERED	99
10.6.4	KEY DEVELOPMENTS	101
10.6.5	SWOT ANALYSIS	102
10.6.6	KEY STRATEGIES	102
10.7	TRIPP LITE	103

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10.7.1	COMPANY OVERVIEW	103
10.7.2	FINANCIAL OVERVIEW	103
10.7.3	PRODUCTS OFFERED	103
10.7.4	KEY DEVELOPMENTS	103
10.7.5	SWOT ANALYSIS	104
10.7.6	KEY STRATEGIES	104
10.8	SOCOMECH	105
10.8.1	COMPANY OVERVIEW	105
10.8.2	FINANCIAL OVERVIEW	105
10.8.3	PRODUCTS OFFERED	105
10.8.4	KEY DEVELOPMENTS	105
10.9	KEHUA DATA CO. LTD	106
10.9.1	COMPANY OVERVIEW	106
10.9.2	FINANCIAL OVERVIEW	106
10.9.3	PRODUCTS OFFERED	106
10.9.4	KEY DEVELOPMENTS	107
10.9.5	SWOT ANALYSIS	107
10.9.6	KEY STRATEGIES	108
10.10	KOKAM CO., LTD	109
10.10.1	COMPANY OVERVIEW	109
10.10.2	FINANCIAL OVERVIEW	109
10.10.3	PRODUCTS OFFERED	109
10.10.4	KEY DEVELOPMENTS	110
10.10.5	KEY STRATEGIES	110
10.11	SAFT BATTERIES	111
10.11.1	COMPANY OVERVIEW	111
10.11.2	FINANCIAL OVERVIEW	111
10.11.3	PRODUCTS OFFERED	111
10.11.4	KEY DEVELOPMENTS	111
10.11.5	SWOT ANALYSIS	112
10.11.6	KEY STRATEGIES	112
10.12	SCHNEIDER ELECTRIC	113
10.12.1	COMPANY OVERVIEW	113
10.12.2	FINANCIAL OVERVIEW	114
10.12.3	PRODUCTS OFFERED	114
10.12.4	KEY DEVELOPMENTS	115
10.12.5	SWOT ANALYSIS	115
10.12.6	KEY STRATEGIES	116
10.13	EATON CORPORATION	117
10.13.1	COMPANY OVERVIEW	117
10.13.2	FINANCIAL OVERVIEW	118
10.13.3	PRODUCTS OFFERED	118
10.13.4	KEY DEVELOPMENTS	119
10.13.5	SWOT ANALYSIS	119
10.13.6	KEY STRATEGIES	120
10.14	EXIDE INDUSTRIES LTD.	121
10.14.1	COMPANY OVERVIEW	121

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- 10.14.2 FINANCIAL OVERVIEW 122
- 10.14.3 PRODUCTS OFFERED 122
- 10.14.4 KEY DEVELOPMENTS 123
- 10.14.5 SWOT ANALYSIS 123
- 10.14.6 KEY STRATEGIES 123
- 10.15 EAST PENN MANUFACTURING COMPANY 124
- 10.15.1 COMPANY OVERVIEW 124
- 10.15.2 FINANCIAL OVERVIEW 124
- 10.15.3 PRODUCTS OFFERED 124
- 10.15.4 KEY DEVELOPMENTS 124
- 10.15.5 SWOT ANALYSIS 125
- 10.15.6 KEY STRATEGIES 125
- 10.16 CSB ENERGY TECHNOLOGY CO., LTD. 126
- 10.16.1 COMPANY OVERVIEW 126
- 10.16.2 FINANCIAL OVERVIEW 126
- 10.16.3 PRODUCTS OFFERED 126
- 10.16.4 KEY DEVELOPMENTS 126
- 10.16.5 SWOT ANALYSIS 127
- 10.16.6 KEY STRATEGIES 127

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