

# Global Photo-enhanced Rechargeable Batteries Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G2521C829AAEEN.html

Date: May 2023

Pages: 112

Price: US\$ 4,480.00 (Single User License)

ID: G2521C829AAEEN

# **Abstracts**

The global Photo-enhanced Rechargeable Batteries market size is expected to reach \$ 296.5 million by 2029, rising at a market growth of 18.1% CAGR during the forecast period (2023-2029).

Photo-enhanced Rechargeable Batteries, also known as solar rechargeable batteries, are batteries that are designed to be recharged using solar energy. They have a built-in solar panel that allows them to recharge when exposed to sunlight. These batteries provide aunique, standalone energy solution for self-powered remote electronic devices.

This report studies the global Photo-enhanced Rechargeable Batteries production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Photo-enhanced Rechargeable Batteries, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Photo-enhanced Rechargeable Batteries that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Photo-enhanced Rechargeable Batteries total production and demand, 2018-2029, (K Units)

Global Photo-enhanced Rechargeable Batteries total production value, 2018-2029, (USD Million)



Global Photo-enhanced Rechargeable Batteries production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Photo-enhanced Rechargeable Batteries consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Photo-enhanced Rechargeable Batteries domestic production, consumption, key domestic manufacturers and share

Global Photo-enhanced Rechargeable Batteries production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Photo-enhanced Rechargeable Batteries production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Photo-enhanced Rechargeable Batteries production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Photo-enhanced Rechargeable Batteries market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Energizer Holdings, FDK Corporation, GP Batteries International Limited, Highpower International, Johnson Controls, LG Chem, Maxell Holdings, Panasonic Corporation and Saft, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Photo-enhanced Rechargeable Batteries market

#### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.



Global Photo-enhanced Rechargeable Batteries Market, By Region:
United States
China
Europe
Japan
South Korea
ASEAN
India
Rest of World
Global Photo-enhanced Rechargeable Batteries Market, Segmentation by Type
Nickel-based
Lithium-ion
Lead-acid
Flow Batteries
Others
Global Photo-enhanced Rechargeable Batteries Market, Segmentation by Application
Consumer Electronics
Industrial



Automobile
Others
Companies Profiled:
Energizer Holdings
FDK Corporation
GP Batteries International Limited
Highpower International
Johnson Controls
LG Chem
Maxell Holdings
Panasonic Corporation
Saft
Samsung SDI Co., Ltd.
Key Questions Answered
1. How big is the global Photo-enhanced Rechargeable Batteries market?
2. What is the demand of the global Photo-enhanced Rechargeable Batteries market?
3. What is the year over year growth of the global Photo-enhanced Rechargeable

4. What is the production and production value of the global Photo-enhanced

Batteries market?

Rechargeable Batteries market?



- 5. Who are the key producers in the global Photo-enhanced Rechargeable Batteries market?
- 6. What are the growth factors driving the market demand?



## **Contents**

#### 1 SUPPLY SUMMARY

- 1.1 Photo-enhanced Rechargeable Batteries Introduction
- 1.2 World Photo-enhanced Rechargeable Batteries Supply & Forecast
- 1.2.1 World Photo-enhanced Rechargeable Batteries Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Photo-enhanced Rechargeable Batteries Production (2018-2029)
  - 1.2.3 World Photo-enhanced Rechargeable Batteries Pricing Trends (2018-2029)
- 1.3 World Photo-enhanced Rechargeable Batteries Production by Region (Based on Production Site)
- 1.3.1 World Photo-enhanced Rechargeable Batteries Production Value by Region (2018-2029)
- 1.3.2 World Photo-enhanced Rechargeable Batteries Production by Region (2018-2029)
- 1.3.3 World Photo-enhanced Rechargeable Batteries Average Price by Region (2018-2029)
  - 1.3.4 North America Photo-enhanced Rechargeable Batteries Production (2018-2029)
  - 1.3.5 Europe Photo-enhanced Rechargeable Batteries Production (2018-2029)
  - 1.3.6 China Photo-enhanced Rechargeable Batteries Production (2018-2029)
- 1.3.7 Japan Photo-enhanced Rechargeable Batteries Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Photo-enhanced Rechargeable Batteries Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Photo-enhanced Rechargeable Batteries Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
- 1.5.2 Influence of Russia-Ukraine War

#### **2 DEMAND SUMMARY**

- 2.1 World Photo-enhanced Rechargeable Batteries Demand (2018-2029)
- 2.2 World Photo-enhanced Rechargeable Batteries Consumption by Region
- 2.2.1 World Photo-enhanced Rechargeable Batteries Consumption by Region (2018-2023)
- 2.2.2 World Photo-enhanced Rechargeable Batteries Consumption Forecast by Region (2024-2029)
- 2.3 United States Photo-enhanced Rechargeable Batteries Consumption (2018-2029)



- 2.4 China Photo-enhanced Rechargeable Batteries Consumption (2018-2029)
- 2.5 Europe Photo-enhanced Rechargeable Batteries Consumption (2018-2029)
- 2.6 Japan Photo-enhanced Rechargeable Batteries Consumption (2018-2029)
- 2.7 South Korea Photo-enhanced Rechargeable Batteries Consumption (2018-2029)
- 2.8 ASEAN Photo-enhanced Rechargeable Batteries Consumption (2018-2029)
- 2.9 India Photo-enhanced Rechargeable Batteries Consumption (2018-2029)

# 3 WORLD PHOTO-ENHANCED RECHARGEABLE BATTERIES MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Photo-enhanced Rechargeable Batteries Production Value by Manufacturer (2018-2023)
- 3.2 World Photo-enhanced Rechargeable Batteries Production by Manufacturer (2018-2023)
- 3.3 World Photo-enhanced Rechargeable Batteries Average Price by Manufacturer (2018-2023)
- 3.4 Photo-enhanced Rechargeable Batteries Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
- 3.5.1 Global Photo-enhanced Rechargeable Batteries Industry Rank of Major Manufacturers
- 3.5.2 Global Concentration Ratios (CR4) for Photo-enhanced Rechargeable Batteries in 2022
- 3.5.3 Global Concentration Ratios (CR8) for Photo-enhanced Rechargeable Batteries in 2022
- 3.6 Photo-enhanced Rechargeable Batteries Market: Overall Company Footprint Analysis
  - 3.6.1 Photo-enhanced Rechargeable Batteries Market: Region Footprint
- 3.6.2 Photo-enhanced Rechargeable Batteries Market: Company Product Type Footprint
- 3.6.3 Photo-enhanced Rechargeable Batteries Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

#### 4 UNITED STATES VS CHINA VS REST OF THE WORLD



- 4.1 United States VS China: Photo-enhanced Rechargeable Batteries Production Value Comparison
- 4.1.1 United States VS China: Photo-enhanced Rechargeable Batteries Production Value Comparison (2018 & 2022 & 2029)
- 4.1.2 United States VS China: Photo-enhanced Rechargeable Batteries Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Photo-enhanced Rechargeable Batteries Production Comparison
- 4.2.1 United States VS China: Photo-enhanced Rechargeable Batteries Production Comparison (2018 & 2022 & 2029)
- 4.2.2 United States VS China: Photo-enhanced Rechargeable Batteries Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Photo-enhanced Rechargeable Batteries Consumption Comparison
- 4.3.1 United States VS China: Photo-enhanced Rechargeable Batteries Consumption Comparison (2018 & 2022 & 2029)
- 4.3.2 United States VS China: Photo-enhanced Rechargeable Batteries Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based Photo-enhanced Rechargeable Batteries Manufacturers and Market Share, 2018-2023
- 4.4.1 United States Based Photo-enhanced Rechargeable Batteries Manufacturers, Headquarters and Production Site (States, Country)
- 4.4.2 United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value (2018-2023)
- 4.4.3 United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production (2018-2023)
- 4.5 China Based Photo-enhanced Rechargeable Batteries Manufacturers and Market Share
- 4.5.1 China Based Photo-enhanced Rechargeable Batteries Manufacturers, Headquarters and Production Site (Province, Country)
- 4.5.2 China Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value (2018-2023)
- 4.5.3 China Based Manufacturers Photo-enhanced Rechargeable Batteries Production (2018-2023)
- 4.6 Rest of World Based Photo-enhanced Rechargeable Batteries Manufacturers and Market Share, 2018-2023
- 4.6.1 Rest of World Based Photo-enhanced Rechargeable Batteries Manufacturers, Headquarters and Production Site (State, Country)



- 4.6.2 Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value (2018-2023)
- 4.6.3 Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production (2018-2023)

#### **5 MARKET ANALYSIS BY TYPE**

- 5.1 World Photo-enhanced Rechargeable Batteries Market Size Overview by Type: 2018 VS 2022 VS 2029
- 5.2 Segment Introduction by Type
  - 5.2.1 Nickel-based
  - 5.2.2 Lithium-ion
  - 5.2.3 Lead-acid
  - 5.2.4 Flow Batteries
  - 5.2.5 Others
- 5.3 Market Segment by Type
  - 5.3.1 World Photo-enhanced Rechargeable Batteries Production by Type (2018-2029)
- 5.3.2 World Photo-enhanced Rechargeable Batteries Production Value by Type (2018-2029)
- 5.3.3 World Photo-enhanced Rechargeable Batteries Average Price by Type (2018-2029)

#### **6 MARKET ANALYSIS BY APPLICATION**

- 6.1 World Photo-enhanced Rechargeable Batteries Market Size Overview by Application: 2018 VS 2022 VS 2029
- 6.2 Segment Introduction by Application
  - 6.2.1 Consumer Electronics
  - 6.2.2 Industrial
  - 6.2.3 Automobile
  - 6.2.4 Others
- 6.3 Market Segment by Application
- 6.3.1 World Photo-enhanced Rechargeable Batteries Production by Application (2018-2029)
- 6.3.2 World Photo-enhanced Rechargeable Batteries Production Value by Application (2018-2029)
- 6.3.3 World Photo-enhanced Rechargeable Batteries Average Price by Application (2018-2029)



#### **7 COMPANY PROFILES**

- 7.1 Energizer Holdings
  - 7.1.1 Energizer Holdings Details
  - 7.1.2 Energizer Holdings Major Business
- 7.1.3 Energizer Holdings Photo-enhanced Rechargeable Batteries Product and Services
- 7.1.4 Energizer Holdings Photo-enhanced Rechargeable Batteries Production, Price,
- Value, Gross Margin and Market Share (2018-2023)
- 7.1.5 Energizer Holdings Recent Developments/Updates
- 7.1.6 Energizer Holdings Competitive Strengths & Weaknesses
- 7.2 FDK Corporation
  - 7.2.1 FDK Corporation Details
  - 7.2.2 FDK Corporation Major Business
  - 7.2.3 FDK Corporation Photo-enhanced Rechargeable Batteries Product and Services
  - 7.2.4 FDK Corporation Photo-enhanced Rechargeable Batteries Production, Price,
- Value, Gross Margin and Market Share (2018-2023)
- 7.2.5 FDK Corporation Recent Developments/Updates
- 7.2.6 FDK Corporation Competitive Strengths & Weaknesses
- 7.3 GP Batteries International Limited
  - 7.3.1 GP Batteries International Limited Details
  - 7.3.2 GP Batteries International Limited Major Business
- 7.3.3 GP Batteries International Limited Photo-enhanced Rechargeable Batteries Product and Services
- 7.3.4 GP Batteries International Limited Photo-enhanced Rechargeable Batteries Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.3.5 GP Batteries International Limited Recent Developments/Updates
- 7.3.6 GP Batteries International Limited Competitive Strengths & Weaknesses
- 7.4 Highpower International
  - 7.4.1 Highpower International Details
  - 7.4.2 Highpower International Major Business
- 7.4.3 Highpower International Photo-enhanced Rechargeable Batteries Product and Services
- 7.4.4 Highpower International Photo-enhanced Rechargeable Batteries Production,
- Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.4.5 Highpower International Recent Developments/Updates
- 7.4.6 Highpower International Competitive Strengths & Weaknesses
- 7.5 Johnson Controls
- 7.5.1 Johnson Controls Details



- 7.5.2 Johnson Controls Major Business
- 7.5.3 Johnson Controls Photo-enhanced Rechargeable Batteries Product and Services
- 7.5.4 Johnson Controls Photo-enhanced Rechargeable Batteries Production, Price,
- Value, Gross Margin and Market Share (2018-2023)
- 7.5.5 Johnson Controls Recent Developments/Updates
- 7.5.6 Johnson Controls Competitive Strengths & Weaknesses
- 7.6 LG Chem
  - 7.6.1 LG Chem Details
  - 7.6.2 LG Chem Major Business
  - 7.6.3 LG Chem Photo-enhanced Rechargeable Batteries Product and Services
  - 7.6.4 LG Chem Photo-enhanced Rechargeable Batteries Production, Price, Value,

Gross Margin and Market Share (2018-2023)

- 7.6.5 LG Chem Recent Developments/Updates
- 7.6.6 LG Chem Competitive Strengths & Weaknesses
- 7.7 Maxell Holdings
  - 7.7.1 Maxell Holdings Details
  - 7.7.2 Maxell Holdings Major Business
  - 7.7.3 Maxell Holdings Photo-enhanced Rechargeable Batteries Product and Services
  - 7.7.4 Maxell Holdings Photo-enhanced Rechargeable Batteries Production, Price,

Value, Gross Margin and Market Share (2018-2023)

- 7.7.5 Maxell Holdings Recent Developments/Updates
- 7.7.6 Maxell Holdings Competitive Strengths & Weaknesses
- 7.8 Panasonic Corporation
  - 7.8.1 Panasonic Corporation Details
  - 7.8.2 Panasonic Corporation Major Business
- 7.8.3 Panasonic Corporation Photo-enhanced Rechargeable Batteries Product and Services
- 7.8.4 Panasonic Corporation Photo-enhanced Rechargeable Batteries Production,

Price, Value, Gross Margin and Market Share (2018-2023)

- 7.8.5 Panasonic Corporation Recent Developments/Updates
- 7.8.6 Panasonic Corporation Competitive Strengths & Weaknesses
- 7.9 Saft
  - 7.9.1 Saft Details
- 7.9.2 Saft Major Business
- 7.9.3 Saft Photo-enhanced Rechargeable Batteries Product and Services
- 7.9.4 Saft Photo-enhanced Rechargeable Batteries Production, Price, Value, Gross
- Margin and Market Share (2018-2023)
  - 7.9.5 Saft Recent Developments/Updates
  - 7.9.6 Saft Competitive Strengths & Weaknesses



- 7.10 Samsung SDI Co., Ltd.
  - 7.10.1 Samsung SDI Co., Ltd. Details
  - 7.10.2 Samsung SDI Co., Ltd. Major Business
- 7.10.3 Samsung SDI Co., Ltd. Photo-enhanced Rechargeable Batteries Product and Services
- 7.10.4 Samsung SDI Co., Ltd. Photo-enhanced Rechargeable Batteries Production,

Price, Value, Gross Margin and Market Share (2018-2023)

- 7.10.5 Samsung SDI Co., Ltd. Recent Developments/Updates
- 7.10.6 Samsung SDI Co., Ltd. Competitive Strengths & Weaknesses

#### **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Photo-enhanced Rechargeable Batteries Industry Chain
- 8.2 Photo-enhanced Rechargeable Batteries Upstream Analysis
- 8.2.1 Photo-enhanced Rechargeable Batteries Core Raw Materials
- 8.2.2 Main Manufacturers of Photo-enhanced Rechargeable Batteries Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Photo-enhanced Rechargeable Batteries Production Mode
- 8.6 Photo-enhanced Rechargeable Batteries Procurement Model
- 8.7 Photo-enhanced Rechargeable Batteries Industry Sales Model and Sales Channels
  - 8.7.1 Photo-enhanced Rechargeable Batteries Sales Model
  - 8.7.2 Photo-enhanced Rechargeable Batteries Typical Customers

#### 9 RESEARCH FINDINGS AND CONCLUSION

#### **10 APPENDIX**

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer



## **List Of Tables**

#### LIST OF TABLES

Table 1. World Photo-enhanced Rechargeable Batteries Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Photo-enhanced Rechargeable Batteries Production Value by Region (2018-2023) & (USD Million)

Table 3. World Photo-enhanced Rechargeable Batteries Production Value by Region (2024-2029) & (USD Million)

Table 4. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Region (2018-2023)

Table 5. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Region (2024-2029)

Table 6. World Photo-enhanced Rechargeable Batteries Production by Region (2018-2023) & (K Units)

Table 7. World Photo-enhanced Rechargeable Batteries Production by Region (2024-2029) & (K Units)

Table 8. World Photo-enhanced Rechargeable Batteries Production Market Share by Region (2018-2023)

Table 9. World Photo-enhanced Rechargeable Batteries Production Market Share by Region (2024-2029)

Table 10. World Photo-enhanced Rechargeable Batteries Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Photo-enhanced Rechargeable Batteries Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Photo-enhanced Rechargeable Batteries Major Market Trends

Table 13. World Photo-enhanced Rechargeable Batteries Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Photo-enhanced Rechargeable Batteries Consumption by Region (2018-2023) & (K Units)

Table 15. World Photo-enhanced Rechargeable Batteries Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Photo-enhanced Rechargeable Batteries Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Photo-enhanced Rechargeable Batteries Producers in 2022

Table 18. World Photo-enhanced Rechargeable Batteries Production by Manufacturer (2018-2023) & (K Units)



- Table 19. Production Market Share of Key Photo-enhanced Rechargeable Batteries Producers in 2022
- Table 20. World Photo-enhanced Rechargeable Batteries Average Price by Manufacturer (2018-2023) & (US\$/Unit)
- Table 21. Global Photo-enhanced Rechargeable Batteries Company Evaluation Quadrant
- Table 22. World Photo-enhanced Rechargeable Batteries Industry Rank of Major Manufacturers, Based on Production Value in 2022
- Table 23. Head Office and Photo-enhanced Rechargeable Batteries Production Site of Key Manufacturer
- Table 24. Photo-enhanced Rechargeable Batteries Market: Company Product Type Footprint
- Table 25. Photo-enhanced Rechargeable Batteries Market: Company Product Application Footprint
- Table 26. Photo-enhanced Rechargeable Batteries Competitive Factors
- Table 27. Photo-enhanced Rechargeable Batteries New Entrant and Capacity Expansion Plans
- Table 28. Photo-enhanced Rechargeable Batteries Mergers & Acquisitions Activity
- Table 29. United States VS China Photo-enhanced Rechargeable Batteries Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China Photo-enhanced Rechargeable Batteries Production Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 31. United States VS China Photo-enhanced Rechargeable Batteries Consumption Comparison, (2018 & 2022 & 2029) & (K Units)
- Table 32. United States Based Photo-enhanced Rechargeable Batteries Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production (2018-2023) & (K Units)
- Table 36. United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production Market Share (2018-2023)
- Table 37. China Based Photo-enhanced Rechargeable Batteries Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers Photo-enhanced Rechargeable Batteries



Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Photo-enhanced Rechargeable Batteries Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Photo-enhanced Rechargeable Batteries Production Market Share (2018-2023)

Table 42. Rest of World Based Photo-enhanced Rechargeable Batteries Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production Market Share (2018-2023)

Table 47. World Photo-enhanced Rechargeable Batteries Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Photo-enhanced Rechargeable Batteries Production by Type (2018-2023) & (K Units)

Table 49. World Photo-enhanced Rechargeable Batteries Production by Type (2024-2029) & (K Units)

Table 50. World Photo-enhanced Rechargeable Batteries Production Value by Type (2018-2023) & (USD Million)

Table 51. World Photo-enhanced Rechargeable Batteries Production Value by Type (2024-2029) & (USD Million)

Table 52. World Photo-enhanced Rechargeable Batteries Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Photo-enhanced Rechargeable Batteries Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Photo-enhanced Rechargeable Batteries Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Photo-enhanced Rechargeable Batteries Production by Application (2018-2023) & (K Units)

Table 56. World Photo-enhanced Rechargeable Batteries Production by Application (2024-2029) & (K Units)

Table 57. World Photo-enhanced Rechargeable Batteries Production Value by Application (2018-2023) & (USD Million)

Table 58. World Photo-enhanced Rechargeable Batteries Production Value by Application (2024-2029) & (USD Million)



- Table 59. World Photo-enhanced Rechargeable Batteries Average Price by Application (2018-2023) & (US\$/Unit)
- Table 60. World Photo-enhanced Rechargeable Batteries Average Price by Application (2024-2029) & (US\$/Unit)
- Table 61. Energizer Holdings Basic Information, Manufacturing Base and Competitors
- Table 62. Energizer Holdings Major Business
- Table 63. Energizer Holdings Photo-enhanced Rechargeable Batteries Product and Services
- Table 64. Energizer Holdings Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 65. Energizer Holdings Recent Developments/Updates
- Table 66. Energizer Holdings Competitive Strengths & Weaknesses
- Table 67. FDK Corporation Basic Information, Manufacturing Base and Competitors
- Table 68. FDK Corporation Major Business
- Table 69. FDK Corporation Photo-enhanced Rechargeable Batteries Product and Services
- Table 70. FDK Corporation Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 71. FDK Corporation Recent Developments/Updates
- Table 72. FDK Corporation Competitive Strengths & Weaknesses
- Table 73. GP Batteries International Limited Basic Information, Manufacturing Base and Competitors
- Table 74. GP Batteries International Limited Major Business
- Table 75. GP Batteries International Limited Photo-enhanced Rechargeable Batteries Product and Services
- Table 76. GP Batteries International Limited Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. GP Batteries International Limited Recent Developments/Updates
- Table 78. GP Batteries International Limited Competitive Strengths & Weaknesses
- Table 79. Highpower International Basic Information, Manufacturing Base and Competitors
- Table 80. Highpower International Major Business
- Table 81. Highpower International Photo-enhanced Rechargeable Batteries Product and Services
- Table 82. Highpower International Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market



Share (2018-2023)

Table 83. Highpower International Recent Developments/Updates

Table 84. Highpower International Competitive Strengths & Weaknesses

Table 85. Johnson Controls Basic Information, Manufacturing Base and Competitors

Table 86. Johnson Controls Major Business

Table 87. Johnson Controls Photo-enhanced Rechargeable Batteries Product and Services

Table 88. Johnson Controls Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Johnson Controls Recent Developments/Updates

Table 90. Johnson Controls Competitive Strengths & Weaknesses

Table 91. LG Chem Basic Information, Manufacturing Base and Competitors

Table 92. LG Chem Major Business

Table 93. LG Chem Photo-enhanced Rechargeable Batteries Product and Services

Table 94. LG Chem Photo-enhanced Rechargeable Batteries Production (K Units),

Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. LG Chem Recent Developments/Updates

Table 96. LG Chem Competitive Strengths & Weaknesses

Table 97. Maxell Holdings Basic Information, Manufacturing Base and Competitors

Table 98. Maxell Holdings Major Business

Table 99. Maxell Holdings Photo-enhanced Rechargeable Batteries Product and Services

Table 100. Maxell Holdings Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Maxell Holdings Recent Developments/Updates

Table 102. Maxell Holdings Competitive Strengths & Weaknesses

Table 103. Panasonic Corporation Basic Information, Manufacturing Base and Competitors

Table 104. Panasonic Corporation Major Business

Table 105. Panasonic Corporation Photo-enhanced Rechargeable Batteries Product and Services

Table 106. Panasonic Corporation Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Panasonic Corporation Recent Developments/Updates

Table 108. Panasonic Corporation Competitive Strengths & Weaknesses



- Table 109. Saft Basic Information, Manufacturing Base and Competitors
- Table 110. Saft Major Business
- Table 111. Saft Photo-enhanced Rechargeable Batteries Product and Services
- Table 112. Saft Photo-enhanced Rechargeable Batteries Production (K Units), Price
- (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Saft Recent Developments/Updates
- Table 114. Samsung SDI Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 115. Samsung SDI Co., Ltd. Major Business
- Table 116. Samsung SDI Co., Ltd. Photo-enhanced Rechargeable Batteries Product and Services
- Table 117. Samsung SDI Co., Ltd. Photo-enhanced Rechargeable Batteries Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 118. Global Key Players of Photo-enhanced Rechargeable Batteries Upstream (Raw Materials)
- Table 119. Photo-enhanced Rechargeable Batteries Typical Customers
- Table 120. Photo-enhanced Rechargeable Batteries Typical Distributors



# **List Of Figures**

#### LIST OF FIGURES

- Figure 1. Photo-enhanced Rechargeable Batteries Picture
- Figure 2. World Photo-enhanced Rechargeable Batteries Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Photo-enhanced Rechargeable Batteries Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Photo-enhanced Rechargeable Batteries Production (2018-2029) & (K Units)
- Figure 5. World Photo-enhanced Rechargeable Batteries Average Price (2018-2029) & (US\$/Unit)
- Figure 6. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Region (2018-2029)
- Figure 7. World Photo-enhanced Rechargeable Batteries Production Market Share by Region (2018-2029)
- Figure 8. North America Photo-enhanced Rechargeable Batteries Production (2018-2029) & (K Units)
- Figure 9. Europe Photo-enhanced Rechargeable Batteries Production (2018-2029) & (K Units)
- Figure 10. China Photo-enhanced Rechargeable Batteries Production (2018-2029) & (K Units)
- Figure 11. Japan Photo-enhanced Rechargeable Batteries Production (2018-2029) & (K Units)
- Figure 12. Photo-enhanced Rechargeable Batteries Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)
- Figure 15. World Photo-enhanced Rechargeable Batteries Consumption Market Share by Region (2018-2029)
- Figure 16. United States Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)
- Figure 17. China Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)
- Figure 18. Europe Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)
- Figure 19. Japan Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)



Figure 20. South Korea Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)

Figure 21. ASEAN Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)

Figure 22. India Photo-enhanced Rechargeable Batteries Consumption (2018-2029) & (K Units)

Figure 23. Producer Shipments of Photo-enhanced Rechargeable Batteries by

Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Photo-enhanced Rechargeable Batteries Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Photo-enhanced Rechargeable Batteries Markets in 2022

Figure 26. United States VS China: Photo-enhanced Rechargeable Batteries Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Photo-enhanced Rechargeable Batteries Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Photo-enhanced Rechargeable Batteries Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Photo-enhanced Rechargeable Batteries Production Market Share 2022

Figure 30. China Based Manufacturers Photo-enhanced Rechargeable Batteries Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Photo-enhanced Rechargeable Batteries Production Market Share 2022

Figure 32. World Photo-enhanced Rechargeable Batteries Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Type in 2022

Figure 34. Nickel-based

Figure 35. Lithium-ion

Figure 36. Lead-acid

Figure 37. Flow Batteries

Figure 38. Others

Figure 39. World Photo-enhanced Rechargeable Batteries Production Market Share by Type (2018-2029)

Figure 40. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Type (2018-2029)

Figure 41. World Photo-enhanced Rechargeable Batteries Average Price by Type (2018-2029) & (US\$/Unit)



Figure 42. World Photo-enhanced Rechargeable Batteries Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 43. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Application in 2022

Figure 44. Consumer Electronics

Figure 45. Industrial

Figure 46. Automobile

Figure 47. Others

Figure 48. World Photo-enhanced Rechargeable Batteries Production Market Share by Application (2018-2029)

Figure 49. World Photo-enhanced Rechargeable Batteries Production Value Market Share by Application (2018-2029)

Figure 50. World Photo-enhanced Rechargeable Batteries Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. Photo-enhanced Rechargeable Batteries Industry Chain

Figure 52. Photo-enhanced Rechargeable Batteries Procurement Model

Figure 53. Photo-enhanced Rechargeable Batteries Sales Model

Figure 54. Photo-enhanced Rechargeable Batteries Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source



#### I would like to order

Product name: Global Photo-enhanced Rechargeable Batteries Supply, Demand and Key Producers,

2023-2029

Product link: <a href="https://marketpublishers.com/r/G2521C829AAEEN.html">https://marketpublishers.com/r/G2521C829AAEEN.html</a>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G2521C829AAEEN.html">https://marketpublishers.com/r/G2521C829AAEEN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



