

# Global High Efficiency Dye-Sensitized Solar Cells Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GE03F8D193D1EN.html>

Date: November 2023

Pages: 127

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

ID: GE03F8D193D1EN

## Abstracts

The global High Efficiency Dye-Sensitized Solar Cells market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

This report studies the global High Efficiency Dye-Sensitized Solar Cells production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Efficiency Dye-Sensitized Solar Cells, 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 High Efficiency Dye-Sensitized Solar Cells that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Efficiency Dye-Sensitized Solar Cells total production and demand, 2018-2029, (K Units)

Global High Efficiency Dye-Sensitized Solar Cells total production value, 2018-2029, (USD Million)

Global High Efficiency Dye-Sensitized Solar Cells production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global High Efficiency Dye-Sensitized Solar Cells consumption by region & country,

## CAGR, 2018-2029 & (K Units)

U.S. VS China: High Efficiency Dye-Sensitized Solar Cells domestic production, consumption, key domestic manufacturers and share

Global High Efficiency Dye-Sensitized Solar Cells production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global High Efficiency Dye-Sensitized Solar Cells production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global High Efficiency Dye-Sensitized Solar Cells production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global High Efficiency Dye-Sensitized Solar Cells 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 Oxford Photovoltaics, Greatcell Solar, Solaronix, G24 Power, Fraunhofer Institute for Solar Energy Systems (ISE), National Renewable Energy Laboratory (NREL), Ricoh, Fujikura and 3GSolar Photovoltaics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Efficiency Dye-Sensitized Solar Cells 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 High Efficiency Dye-Sensitized Solar Cells Market, By Region:

### United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global High Efficiency Dye-Sensitized Solar Cells Market, Segmentation by Type

TiO<sub>2</sub>

SnO<sub>2</sub>

ZnO

Nb<sub>2</sub>O

Others

#### Global High Efficiency Dye-Sensitized Solar Cells Market, Segmentation by Application

Consumer Electronics

Wearable Technology

Building-Integrated Photovoltaics (BIPV)

Automotive Industry

Agriculture

Aerospace

Military and Defense

Others

#### Companies Profiled:

Oxford Photovoltaics

Greatcell Solar

Solaronix

G24 Power

Fraunhofer Institute for Solar Energy Systems (ISE)

National Renewable Energy Laboratory (NREL)

Ricoh

Fujikura

3GSolar Photovoltaics

Exeger Sweden

Sony

Sharp Corporation

Pecell

#### Key Questions Answered

1. How big is the global High Efficiency Dye-Sensitized Solar Cells market?
2. What is the demand of the global High Efficiency Dye-Sensitized Solar Cells market?
3. What is the year over year growth of the global High Efficiency Dye-Sensitized Solar Cells market?
4. What is the production and production value of the global High Efficiency Dye-Sensitized Solar Cells market?
5. Who are the key producers in the global High Efficiency Dye-Sensitized Solar Cells market?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 High Efficiency Dye-Sensitized Solar Cells Introduction
- 1.2 World High Efficiency Dye-Sensitized Solar Cells Supply & Forecast
  - 1.2.1 World High Efficiency Dye-Sensitized Solar Cells Production Value (2018 & 2022 & 2029)
  - 1.2.2 World High Efficiency Dye-Sensitized Solar Cells Production (2018-2029)
  - 1.2.3 World High Efficiency Dye-Sensitized Solar Cells Pricing Trends (2018-2029)
- 1.3 World High Efficiency Dye-Sensitized Solar Cells Production by Region (Based on Production Site)
  - 1.3.1 World High Efficiency Dye-Sensitized Solar Cells Production Value by Region (2018-2029)
  - 1.3.2 World High Efficiency Dye-Sensitized Solar Cells Production by Region (2018-2029)
  - 1.3.3 World High Efficiency Dye-Sensitized Solar Cells Average Price by Region (2018-2029)
  - 1.3.4 North America High Efficiency Dye-Sensitized Solar Cells Production (2018-2029)
  - 1.3.5 Europe High Efficiency Dye-Sensitized Solar Cells Production (2018-2029)
  - 1.3.6 China High Efficiency Dye-Sensitized Solar Cells Production (2018-2029)
  - 1.3.7 Japan High Efficiency Dye-Sensitized Solar Cells Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 High Efficiency Dye-Sensitized Solar Cells Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 High Efficiency Dye-Sensitized Solar Cells Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World High Efficiency Dye-Sensitized Solar Cells Demand (2018-2029)
- 2.2 World High Efficiency Dye-Sensitized Solar Cells Consumption by Region
  - 2.2.1 World High Efficiency Dye-Sensitized Solar Cells Consumption by Region (2018-2023)
  - 2.2.2 World High Efficiency Dye-Sensitized Solar Cells Consumption Forecast by Region (2024-2029)
- 2.3 United States High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)
- 2.4 China High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)
- 2.5 Europe High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)

- 2.6 Japan High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)
- 2.7 South Korea High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)
- 2.8 ASEAN High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)
- 2.9 India High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)

### **3 WORLD HIGH EFFICIENCY DYE-SENSITIZED SOLAR CELLS MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World High Efficiency Dye-Sensitized Solar Cells Production Value by Manufacturer (2018-2023)
- 3.2 World High Efficiency Dye-Sensitized Solar Cells Production by Manufacturer (2018-2023)
- 3.3 World High Efficiency Dye-Sensitized Solar Cells Average Price by Manufacturer (2018-2023)
- 3.4 High Efficiency Dye-Sensitized Solar Cells Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global High Efficiency Dye-Sensitized Solar Cells Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for High Efficiency Dye-Sensitized Solar Cells in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for High Efficiency Dye-Sensitized Solar Cells in 2022
- 3.6 High Efficiency Dye-Sensitized Solar Cells Market: Overall Company Footprint Analysis
  - 3.6.1 High Efficiency Dye-Sensitized Solar Cells Market: Region Footprint
  - 3.6.2 High Efficiency Dye-Sensitized Solar Cells Market: Company Product Type Footprint
  - 3.6.3 High Efficiency Dye-Sensitized Solar Cells 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: High Efficiency Dye-Sensitized Solar Cells Production

## Value Comparison

4.1.1 United States VS China: High Efficiency Dye-Sensitized Solar Cells Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: High Efficiency Dye-Sensitized Solar Cells Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: High Efficiency Dye-Sensitized Solar Cells Production Comparison

4.2.1 United States VS China: High Efficiency Dye-Sensitized Solar Cells Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: High Efficiency Dye-Sensitized Solar Cells Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: High Efficiency Dye-Sensitized Solar Cells Consumption Comparison

4.3.1 United States VS China: High Efficiency Dye-Sensitized Solar Cells Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: High Efficiency Dye-Sensitized Solar Cells Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based High Efficiency Dye-Sensitized Solar Cells Manufacturers and Market Share, 2018-2023

4.4.1 United States Based High Efficiency Dye-Sensitized Solar Cells Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value (2018-2023)

4.4.3 United States Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production (2018-2023)

4.5 China Based High Efficiency Dye-Sensitized Solar Cells Manufacturers and Market Share

4.5.1 China Based High Efficiency Dye-Sensitized Solar Cells Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value (2018-2023)

4.5.3 China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production (2018-2023)

4.6 Rest of World Based High Efficiency Dye-Sensitized Solar Cells Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based High Efficiency Dye-Sensitized Solar Cells Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value (2018-2023)



#### 4.6.3 Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production (2018-2023)

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

#### 5.1 World High Efficiency Dye-Sensitized Solar Cells Market Size Overview by Type: 2018 VS 2022 VS 2029

#### 5.2 Segment Introduction by Type

5.2.1 TiO<sub>2</sub>

5.2.2 SnO<sub>2</sub>

5.2.3 ZnO

5.2.4 Nb<sub>2</sub>O

5.2.5 Others

#### 5.3 Market Segment by Type

5.3.1 World High Efficiency Dye-Sensitized Solar Cells Production by Type (2018-2029)

5.3.2 World High Efficiency Dye-Sensitized Solar Cells Production Value by Type (2018-2029)

5.3.3 World High Efficiency Dye-Sensitized Solar Cells Average Price by Type (2018-2029)

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

#### 6.1 World High Efficiency Dye-Sensitized Solar Cells Market Size Overview by Application: 2018 VS 2022 VS 2029

#### 6.2 Segment Introduction by Application

6.2.1 Consumer Electronics

6.2.2 Wearable Technology

6.2.3 Building-Integrated Photovoltaics (BIPV)

6.2.4 Automotive Industry

6.2.5 Agriculture

6.2.6 Aerospace

6.2.7 Military and Defense

6.2.8 Others

#### 6.3 Market Segment by Application

6.3.1 World High Efficiency Dye-Sensitized Solar Cells Production by Application (2018-2029)

6.3.2 World High Efficiency Dye-Sensitized Solar Cells Production Value by Application (2018-2029)

### 6.3.3 World High Efficiency Dye-Sensitized Solar Cells Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

### 7.1 Oxford Photovoltaics

#### 7.1.1 Oxford Photovoltaics Details

#### 7.1.2 Oxford Photovoltaics Major Business

#### 7.1.3 Oxford Photovoltaics High Efficiency Dye-Sensitized Solar Cells Product and Services

#### 7.1.4 Oxford Photovoltaics High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.1.5 Oxford Photovoltaics Recent Developments/Updates

#### 7.1.6 Oxford Photovoltaics Competitive Strengths & Weaknesses

### 7.2 Greatcell Solar

#### 7.2.1 Greatcell Solar Details

#### 7.2.2 Greatcell Solar Major Business

#### 7.2.3 Greatcell Solar High Efficiency Dye-Sensitized Solar Cells Product and Services

#### 7.2.4 Greatcell Solar High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.2.5 Greatcell Solar Recent Developments/Updates

#### 7.2.6 Greatcell Solar Competitive Strengths & Weaknesses

### 7.3 Solaronix

#### 7.3.1 Solaronix Details

#### 7.3.2 Solaronix Major Business

#### 7.3.3 Solaronix High Efficiency Dye-Sensitized Solar Cells Product and Services

#### 7.3.4 Solaronix High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.3.5 Solaronix Recent Developments/Updates

#### 7.3.6 Solaronix Competitive Strengths & Weaknesses

### 7.4 G24 Power

#### 7.4.1 G24 Power Details

#### 7.4.2 G24 Power Major Business

#### 7.4.3 G24 Power High Efficiency Dye-Sensitized Solar Cells Product and Services

#### 7.4.4 G24 Power High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.4.5 G24 Power Recent Developments/Updates

#### 7.4.6 G24 Power Competitive Strengths & Weaknesses

### 7.5 Fraunhofer Institute for Solar Energy Systems (ISE)

- 7.5.1 Fraunhofer Institute for Solar Energy Systems (ISE) Details
- 7.5.2 Fraunhofer Institute for Solar Energy Systems (ISE) Major Business
- 7.5.3 Fraunhofer Institute for Solar Energy Systems (ISE) High Efficiency Dye-Sensitized Solar Cells Product and Services
- 7.5.4 Fraunhofer Institute for Solar Energy Systems (ISE) High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.5.5 Fraunhofer Institute for Solar Energy Systems (ISE) Recent Developments/Updates
- 7.5.6 Fraunhofer Institute for Solar Energy Systems (ISE) Competitive Strengths & Weaknesses
- 7.6 National Renewable Energy Laboratory (NREL)
  - 7.6.1 National Renewable Energy Laboratory (NREL) Details
  - 7.6.2 National Renewable Energy Laboratory (NREL) Major Business
  - 7.6.3 National Renewable Energy Laboratory (NREL) High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.6.4 National Renewable Energy Laboratory (NREL) High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 National Renewable Energy Laboratory (NREL) Recent Developments/Updates
  - 7.6.6 National Renewable Energy Laboratory (NREL) Competitive Strengths & Weaknesses
- 7.7 Ricoh
  - 7.7.1 Ricoh Details
  - 7.7.2 Ricoh Major Business
  - 7.7.3 Ricoh High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.7.4 Ricoh High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Ricoh Recent Developments/Updates
  - 7.7.6 Ricoh Competitive Strengths & Weaknesses
- 7.8 Fujikura
  - 7.8.1 Fujikura Details
  - 7.8.2 Fujikura Major Business
  - 7.8.3 Fujikura High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.8.4 Fujikura High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Fujikura Recent Developments/Updates
  - 7.8.6 Fujikura Competitive Strengths & Weaknesses
- 7.9 3GSolar Photovoltaics
  - 7.9.1 3GSolar Photovoltaics Details

- 7.9.2 3GSolar Photovoltaics Major Business
- 7.9.3 3GSolar Photovoltaics High Efficiency Dye-Sensitized Solar Cells Product and Services
- 7.9.4 3GSolar Photovoltaics High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.9.5 3GSolar Photovoltaics Recent Developments/Updates
- 7.9.6 3GSolar Photovoltaics Competitive Strengths & Weaknesses
- 7.10 Exeger Sweden
  - 7.10.1 Exeger Sweden Details
  - 7.10.2 Exeger Sweden Major Business
  - 7.10.3 Exeger Sweden High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.10.4 Exeger Sweden High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Exeger Sweden Recent Developments/Updates
  - 7.10.6 Exeger Sweden Competitive Strengths & Weaknesses
- 7.11 Sony
  - 7.11.1 Sony Details
  - 7.11.2 Sony Major Business
  - 7.11.3 Sony High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.11.4 Sony High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 Sony Recent Developments/Updates
  - 7.11.6 Sony Competitive Strengths & Weaknesses
- 7.12 Sharp Corporation
  - 7.12.1 Sharp Corporation Details
  - 7.12.2 Sharp Corporation Major Business
  - 7.12.3 Sharp Corporation High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.12.4 Sharp Corporation High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Sharp Corporation Recent Developments/Updates
  - 7.12.6 Sharp Corporation Competitive Strengths & Weaknesses
- 7.13 Peccell
  - 7.13.1 Peccell Details
  - 7.13.2 Peccell Major Business
  - 7.13.3 Peccell High Efficiency Dye-Sensitized Solar Cells Product and Services
  - 7.13.4 Peccell High Efficiency Dye-Sensitized Solar Cells Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Peccell Recent Developments/Updates

7.13.6 Peccell Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

8.1 High Efficiency Dye-Sensitized Solar Cells Industry Chain

8.2 High Efficiency Dye-Sensitized Solar Cells Upstream Analysis

8.2.1 High Efficiency Dye-Sensitized Solar Cells Core Raw Materials

8.2.2 Main Manufacturers of High Efficiency Dye-Sensitized Solar Cells Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 High Efficiency Dye-Sensitized Solar Cells Production Mode

8.6 High Efficiency Dye-Sensitized Solar Cells Procurement Model

8.7 High Efficiency Dye-Sensitized Solar Cells Industry Sales Model and Sales Channels

8.7.1 High Efficiency Dye-Sensitized Solar Cells Sales Model

8.7.2 High Efficiency Dye-Sensitized Solar Cells 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 High Efficiency Dye-Sensitized Solar Cells Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World High Efficiency Dye-Sensitized Solar Cells Production Value by Region (2018-2023) & (USD Million)

Table 3. World High Efficiency Dye-Sensitized Solar Cells Production Value by Region (2024-2029) & (USD Million)

Table 4. World High Efficiency Dye-Sensitized Solar Cells Production Value Market Share by Region (2018-2023)

Table 5. World High Efficiency Dye-Sensitized Solar Cells Production Value Market Share by Region (2024-2029)

Table 6. World High Efficiency Dye-Sensitized Solar Cells Production by Region (2018-2023) & (K Units)

Table 7. World High Efficiency Dye-Sensitized Solar Cells Production by Region (2024-2029) & (K Units)

Table 8. World High Efficiency Dye-Sensitized Solar Cells Production Market Share by Region (2018-2023)

Table 9. World High Efficiency Dye-Sensitized Solar Cells Production Market Share by Region (2024-2029)

Table 10. World High Efficiency Dye-Sensitized Solar Cells Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World High Efficiency Dye-Sensitized Solar Cells Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. High Efficiency Dye-Sensitized Solar Cells Major Market Trends

Table 13. World High Efficiency Dye-Sensitized Solar Cells Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World High Efficiency Dye-Sensitized Solar Cells Consumption by Region (2018-2023) & (K Units)

Table 15. World High Efficiency Dye-Sensitized Solar Cells Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World High Efficiency Dye-Sensitized Solar Cells Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key High Efficiency Dye-Sensitized Solar Cells Producers in 2022

Table 18. World High Efficiency Dye-Sensitized Solar Cells Production by Manufacturer (2018-2023) & (K Units)



Table 19. Production Market Share of Key High Efficiency Dye-Sensitized Solar Cells Producers in 2022

Table 20. World High Efficiency Dye-Sensitized Solar Cells Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global High Efficiency Dye-Sensitized Solar Cells Company Evaluation Quadrant

Table 22. World High Efficiency Dye-Sensitized Solar Cells Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and High Efficiency Dye-Sensitized Solar Cells Production Site of Key Manufacturer

Table 24. High Efficiency Dye-Sensitized Solar Cells Market: Company Product Type Footprint

Table 25. High Efficiency Dye-Sensitized Solar Cells Market: Company Product Application Footprint

Table 26. High Efficiency Dye-Sensitized Solar Cells Competitive Factors

Table 27. High Efficiency Dye-Sensitized Solar Cells New Entrant and Capacity Expansion Plans

Table 28. High Efficiency Dye-Sensitized Solar Cells Mergers & Acquisitions Activity

Table 29. United States VS China High Efficiency Dye-Sensitized Solar Cells Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China High Efficiency Dye-Sensitized Solar Cells Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China High Efficiency Dye-Sensitized Solar Cells Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based High Efficiency Dye-Sensitized Solar Cells Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Market Share (2018-2023)

Table 37. China Based High Efficiency Dye-Sensitized Solar Cells Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells

## Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Market Share (2018-2023)

Table 42. Rest of World Based High Efficiency Dye-Sensitized Solar Cells Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar Cells Production Market Share (2018-2023)

Table 47. World High Efficiency Dye-Sensitized Solar Cells Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World High Efficiency Dye-Sensitized Solar Cells Production by Type (2018-2023) & (K Units)

Table 49. World High Efficiency Dye-Sensitized Solar Cells Production by Type (2024-2029) & (K Units)

Table 50. World High Efficiency Dye-Sensitized Solar Cells Production Value by Type (2018-2023) & (USD Million)

Table 51. World High Efficiency Dye-Sensitized Solar Cells Production Value by Type (2024-2029) & (USD Million)

Table 52. World High Efficiency Dye-Sensitized Solar Cells Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World High Efficiency Dye-Sensitized Solar Cells Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World High Efficiency Dye-Sensitized Solar Cells Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World High Efficiency Dye-Sensitized Solar Cells Production by Application (2018-2023) & (K Units)

Table 56. World High Efficiency Dye-Sensitized Solar Cells Production by Application (2024-2029) & (K Units)

Table 57. World High Efficiency Dye-Sensitized Solar Cells Production Value by Application (2018-2023) & (USD Million)

Table 58. World High Efficiency Dye-Sensitized Solar Cells Production Value by Application (2024-2029) & (USD Million)



Table 59. World High Efficiency Dye-Sensitized Solar Cells Average Price by Application (2018-2023) & (US\$/Unit)
Table 60. World High Efficiency Dye-Sensitized Solar Cells Average Price by Application (2024-2029) & (US\$/Unit)
Table 61. Oxford Photovoltaics Basic Information, Manufacturing Base and Competitors
Table 62. Oxford Photovoltaics Major Business
Table 63. Oxford Photovoltaics High Efficiency Dye-Sensitized Solar Cells Product and Services
Table 64. Oxford Photovoltaics High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 65. Oxford Photovoltaics Recent Developments/Updates
Table 66. Oxford Photovoltaics Competitive Strengths & Weaknesses
Table 67. Greatcell Solar Basic Information, Manufacturing Base and Competitors
Table 68. Greatcell Solar Major Business
Table 69. Greatcell Solar High Efficiency Dye-Sensitized Solar Cells Product and Services
Table 70. Greatcell Solar High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 71. Greatcell Solar Recent Developments/Updates
Table 72. Greatcell Solar Competitive Strengths & Weaknesses
Table 73. Solaronix Basic Information, Manufacturing Base and Competitors
Table 74. Solaronix Major Business
Table 75. Solaronix High Efficiency Dye-Sensitized Solar Cells Product and Services
Table 76. Solaronix High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 77. Solaronix Recent Developments/Updates
Table 78. Solaronix Competitive Strengths & Weaknesses
Table 79. G24 Power Basic Information, Manufacturing Base and Competitors
Table 80. G24 Power Major Business
Table 81. G24 Power High Efficiency Dye-Sensitized Solar Cells Product and Services
Table 82. G24 Power High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 83. G24 Power Recent Developments/Updates
Table 84. G24 Power Competitive Strengths & Weaknesses
Table 85. Fraunhofer Institute for Solar Energy Systems (ISE) Basic Information,

## Manufacturing Base and Competitors

Table 86. Fraunhofer Institute for Solar Energy Systems (ISE) Major Business

Table 87. Fraunhofer Institute for Solar Energy Systems (ISE) High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 88. Fraunhofer Institute for Solar Energy Systems (ISE) High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Fraunhofer Institute for Solar Energy Systems (ISE) Recent Developments/Updates

Table 90. Fraunhofer Institute for Solar Energy Systems (ISE) Competitive Strengths & Weaknesses

Table 91. National Renewable Energy Laboratory (NREL) Basic Information, Manufacturing Base and Competitors

Table 92. National Renewable Energy Laboratory (NREL) Major Business

Table 93. National Renewable Energy Laboratory (NREL) High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 94. National Renewable Energy Laboratory (NREL) High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. National Renewable Energy Laboratory (NREL) Recent Developments/Updates

Table 96. National Renewable Energy Laboratory (NREL) Competitive Strengths & Weaknesses

Table 97. Ricoh Basic Information, Manufacturing Base and Competitors

Table 98. Ricoh Major Business

Table 99. Ricoh High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 100. Ricoh High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Ricoh Recent Developments/Updates

Table 102. Ricoh Competitive Strengths & Weaknesses

Table 103. Fujikura Basic Information, Manufacturing Base and Competitors

Table 104. Fujikura Major Business

Table 105. Fujikura High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 106. Fujikura High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Fujikura Recent Developments/Updates

Table 108. Fujikura Competitive Strengths & Weaknesses

Table 109. 3GSolar Photovoltaics Basic Information, Manufacturing Base and Competitors

Table 110. 3GSolar Photovoltaics Major Business

Table 111. 3GSolar Photovoltaics High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 112. 3GSolar Photovoltaics High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. 3GSolar Photovoltaics Recent Developments/Updates

Table 114. 3GSolar Photovoltaics Competitive Strengths & Weaknesses

Table 115. Exeger Sweden Basic Information, Manufacturing Base and Competitors

Table 116. Exeger Sweden Major Business

Table 117. Exeger Sweden High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 118. Exeger Sweden High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Exeger Sweden Recent Developments/Updates

Table 120. Exeger Sweden Competitive Strengths & Weaknesses

Table 121. Sony Basic Information, Manufacturing Base and Competitors

Table 122. Sony Major Business

Table 123. Sony High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 124. Sony High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Sony Recent Developments/Updates

Table 126. Sony Competitive Strengths & Weaknesses

Table 127. Sharp Corporation Basic Information, Manufacturing Base and Competitors

Table 128. Sharp Corporation Major Business

Table 129. Sharp Corporation High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 130. Sharp Corporation High Efficiency Dye-Sensitized Solar Cells Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Sharp Corporation Recent Developments/Updates

Table 132. Peccell Basic Information, Manufacturing Base and Competitors

Table 133. Peccell Major Business

Table 134. Peccell High Efficiency Dye-Sensitized Solar Cells Product and Services

Table 135. Peccell High Efficiency Dye-Sensitized Solar Cells Production (K Units),

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

Table 136. Global Key Players of High Efficiency Dye-Sensitized Solar Cells Upstream  
(Raw Materials)

Table 137. High Efficiency Dye-Sensitized Solar Cells Typical Customers

Table 138. High Efficiency Dye-Sensitized Solar Cells Typical Distributors

## **LIST OF FIGURE**

Figure 1. High Efficiency Dye-Sensitized Solar Cells Picture

Figure 2. World High Efficiency Dye-Sensitized Solar Cells Production Value: 2018 &  
2022 & 2029, (USD Million)

Figure 3. World High Efficiency Dye-Sensitized Solar Cells Production Value and  
Forecast (2018-2029) & (USD Million)

Figure 4. World High Efficiency Dye-Sensitized Solar Cells Production (2018-2029) & (K  
Units)

Figure 5. World High Efficiency Dye-Sensitized Solar Cells Average Price (2018-2029)  
& (US\$/Unit)

Figure 6. World High Efficiency Dye-Sensitized Solar Cells Production Value Market  
Share by Region (2018-2029)

Figure 7. World High Efficiency Dye-Sensitized Solar Cells Production Market Share by  
Region (2018-2029)

Figure 8. North America High Efficiency Dye-Sensitized Solar Cells Production  
(2018-2029) & (K Units)

Figure 9. Europe High Efficiency Dye-Sensitized Solar Cells Production (2018-2029) &  
(K Units)

Figure 10. China High Efficiency Dye-Sensitized Solar Cells Production (2018-2029) &  
(K Units)

Figure 11. Japan High Efficiency Dye-Sensitized Solar Cells Production (2018-2029) &  
(K Units)

Figure 12. High Efficiency Dye-Sensitized Solar Cells Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)  
& (K Units)

Figure 15. World High Efficiency Dye-Sensitized Solar Cells Consumption Market Share  
by Region (2018-2029)

Figure 16. United States High Efficiency Dye-Sensitized Solar Cells Consumption  
(2018-2029) & (K Units)

Figure 17. China High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)

& (K Units)

Figure 18. Europe High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)  
& (K Units)

Figure 19. Japan High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029)  
& (K Units)

Figure 20. South Korea High Efficiency Dye-Sensitized Solar Cells Consumption  
(2018-2029) & (K Units)

Figure 21. ASEAN High Efficiency Dye-Sensitized Solar Cells Consumption  
(2018-2029) & (K Units)

Figure 22. India High Efficiency Dye-Sensitized Solar Cells Consumption (2018-2029) &  
(K Units)

Figure 23. Producer Shipments of High Efficiency Dye-Sensitized Solar Cells by  
Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for High Efficiency Dye-  
Sensitized Solar Cells Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for High Efficiency Dye-  
Sensitized Solar Cells Markets in 2022

Figure 26. United States VS China: High Efficiency Dye-Sensitized Solar Cells  
Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: High Efficiency Dye-Sensitized Solar Cells  
Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: High Efficiency Dye-Sensitized Solar Cells  
Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers High Efficiency Dye-Sensitized Solar  
Cells Production Market Share 2022

Figure 30. China Based Manufacturers High Efficiency Dye-Sensitized Solar Cells  
Production Market Share 2022

Figure 31. Rest of World Based Manufacturers High Efficiency Dye-Sensitized Solar  
Cells Production Market Share 2022

Figure 32. World High Efficiency Dye-Sensitized Solar Cells Production Value by Type,  
(USD Million), 2018 & 2022 & 2029

Figure 33. World High Efficiency Dye-Sensitized Solar Cells Production Value Market  
Share by Type in 2022

Figure 34. TiO<sub>2</sub>

Figure 35. SnO<sub>2</sub>

Figure 36. ZnO

Figure 37. Nb<sub>2</sub>O<sub>5</sub>

Figure 38. Others

Figure 39. World High Efficiency Dye-Sensitized Solar Cells Production Market Share



by Type (2018-2029)

Figure 40. World High Efficiency Dye-Sensitized Solar Cells Production Value Market Share by Type (2018-2029)

Figure 41. World High Efficiency Dye-Sensitized Solar Cells Average Price by Type (2018-2029) & (US\$/Unit)

Figure 42. World High Efficiency Dye-Sensitized Solar Cells Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 43. World High Efficiency Dye-Sensitized Solar Cells Production Value Market Share by Application in 2022

Figure 44. Consumer Electronics

Figure 45. Wearable Technology

Figure 46. Building-Integrated Photovoltaics (BIPV)

Figure 47. Automotive Industry

Figure 48. Agriculture

Figure 49. Aerospace

Figure 50. Military and Defense

Figure 51. Others

Figure 52. World High Efficiency Dye-Sensitized Solar Cells Production Market Share by Application (2018-2029)

Figure 53. World High Efficiency Dye-Sensitized Solar Cells Production Value Market Share by Application (2018-2029)

Figure 54. World High Efficiency Dye-Sensitized Solar Cells Average Price by Application (2018-2029) & (US\$/Unit)

Figure 55. High Efficiency Dye-Sensitized Solar Cells Industry Chain

Figure 56. High Efficiency Dye-Sensitized Solar Cells Procurement Model

Figure 57. High Efficiency Dye-Sensitized Solar Cells Sales Model

Figure 58. High Efficiency Dye-Sensitized Solar Cells Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

## I would like to order

Product name: Global High Efficiency Dye-Sensitized Solar Cells Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GE03F8D193D1EN.html>

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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE03F8D193D1EN.html>

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

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

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

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

