

Global Organic Solar Cells (OSCs) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GC706EECB14CEN.html>

Date: November 2025

Pages: 138

Price: US\$ 3,480.00 (Single User License)

ID: GC706EECB14CEN

Abstracts

According to our (Global Info Research) latest study, the global Organic Solar Cells (OSCs) market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Organic Solar Cells (OSCs) are a type of photovoltaic device that converts light into electricity using organic materials, which are typically polymers or small organic molecules. Unlike traditional silicon-based solar cells, OSCs leverage the electrical properties of organic compounds to achieve photovoltaic action.

This report is a detailed and comprehensive analysis for global Organic Solar Cells (OSCs) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Organic Solar Cells (OSCs) market size and forecasts, in consumption value (\$ Million), sales quantity (KW), and average selling prices (US\$/KW), 2020-2031

Global Organic Solar Cells (OSCs) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (KW), and average selling prices (US\$/KW), 2020-2031

Global Organic Solar Cells (OSCs) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (KW), and average selling prices (US\$/KW), 2020-2031

Global Organic Solar Cells (OSCs) market shares of main players, shipments in revenue (\$ Million), sales quantity (KW), and ASP (US\$/KW), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Organic Solar Cells (OSCs)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Organic Solar Cells (OSCs) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Heliatek, Solarmer Energy, Merck, Belectric OPV, Ossila, ARMOR, Sumitomo Chemical, DisaSolar, Heraeus, SunCurtain, etc.

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

Market Segmentation

Organic Solar Cells (OSCs) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Intrinsic Heterojunction Solar Cells

Dye Sensitised Solar Cells

Market segment by Application

Consumer Electronics

Wearable Device

Architecture & Building Integration

Others

Major players covered

Heliatek

Solarmer Energy

Merck

Belectric OPV

Ossila

ARMOR

Sumitomo Chemical

DisaSolar

Heraeus

SunCurtain

Savvy Science

Flask

Brilliant Matters

Eight19

SunPower

Epishine

Solivus

Dracula Technologies

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Organic Solar Cells (OSCs) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Organic Solar Cells (OSCs), with price, sales quantity, revenue, and global market share of Organic Solar Cells (OSCs) from 2020 to 2025.

Chapter 3, the Organic Solar Cells (OSCs) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Organic Solar Cells (OSCs) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Organic Solar Cells (OSCs) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Organic Solar Cells (OSCs).

Chapter 14 and 15, to describe Organic Solar Cells (OSCs) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Organic Solar Cells (OSCs) Consumption Value by Type: 2020 Versus 2024 Versus 2031
 - 1.3.2 Intrinsic Heterojunction Solar Cells
 - 1.3.3 Dye Sensitised Solar Cells
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Organic Solar Cells (OSCs) Consumption Value by Application: 2020 Versus 2024 Versus 2031
 - 1.4.2 Consumer Electronics
 - 1.4.3 Wearable Device
 - 1.4.4 Architecture & Building Integration
 - 1.4.5 Others
- 1.5 Global Organic Solar Cells (OSCs) Market Size & Forecast
 - 1.5.1 Global Organic Solar Cells (OSCs) Consumption Value (2020 & 2024 & 2031)
 - 1.5.2 Global Organic Solar Cells (OSCs) Sales Quantity (2020-2031)
 - 1.5.3 Global Organic Solar Cells (OSCs) Average Price (2020-2031)

2 MANUFACTURERS PROFILES

- 2.1 Heliatek
 - 2.1.1 Heliatek Details
 - 2.1.2 Heliatek Major Business
 - 2.1.3 Heliatek Organic Solar Cells (OSCs) Product and Services
 - 2.1.4 Heliatek Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.1.5 Heliatek Recent Developments/Updates
- 2.2 Solarmer Energy
 - 2.2.1 Solarmer Energy Details
 - 2.2.2 Solarmer Energy Major Business
 - 2.2.3 Solarmer Energy Organic Solar Cells (OSCs) Product and Services
 - 2.2.4 Solarmer Energy Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.2.5 Solarmer Energy Recent Developments/Updates

2.3 Merck

2.3.1 Merck Details

2.3.2 Merck Major Business

2.3.3 Merck Organic Solar Cells (OSCs) Product and Services

2.3.4 Merck Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Merck Recent Developments/Updates

2.4 Belectric OPV

2.4.1 Belectric OPV Details

2.4.2 Belectric OPV Major Business

2.4.3 Belectric OPV Organic Solar Cells (OSCs) Product and Services

2.4.4 Belectric OPV Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Belectric OPV Recent Developments/Updates

2.5 Ossila

2.5.1 Ossila Details

2.5.2 Ossila Major Business

2.5.3 Ossila Organic Solar Cells (OSCs) Product and Services

2.5.4 Ossila Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Ossila Recent Developments/Updates

2.6 ARMOR

2.6.1 ARMOR Details

2.6.2 ARMOR Major Business

2.6.3 ARMOR Organic Solar Cells (OSCs) Product and Services

2.6.4 ARMOR Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 ARMOR Recent Developments/Updates

2.7 Sumitomo Chemical

2.7.1 Sumitomo Chemical Details

2.7.2 Sumitomo Chemical Major Business

2.7.3 Sumitomo Chemical Organic Solar Cells (OSCs) Product and Services

2.7.4 Sumitomo Chemical Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Sumitomo Chemical Recent Developments/Updates

2.8 DisaSolar

2.8.1 DisaSolar Details

2.8.2 DisaSolar Major Business

2.8.3 DisaSolar Organic Solar Cells (OSCs) Product and Services

2.8.4 DisaSolar Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 DisaSolar Recent Developments/Updates

2.9 Heraeus

2.9.1 Heraeus Details

2.9.2 Heraeus Major Business

2.9.3 Heraeus Organic Solar Cells (OSCs) Product and Services

2.9.4 Heraeus Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Heraeus Recent Developments/Updates

2.10 SunCurtain

2.10.1 SunCurtain Details

2.10.2 SunCurtain Major Business

2.10.3 SunCurtain Organic Solar Cells (OSCs) Product and Services

2.10.4 SunCurtain Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 SunCurtain Recent Developments/Updates

2.11 Savvy Science

2.11.1 Savvy Science Details

2.11.2 Savvy Science Major Business

2.11.3 Savvy Science Organic Solar Cells (OSCs) Product and Services

2.11.4 Savvy Science Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Savvy Science Recent Developments/Updates

2.12 Flask

2.12.1 Flask Details

2.12.2 Flask Major Business

2.12.3 Flask Organic Solar Cells (OSCs) Product and Services

2.12.4 Flask Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Flask Recent Developments/Updates

2.13 Brilliant Matters

2.13.1 Brilliant Matters Details

2.13.2 Brilliant Matters Major Business

2.13.3 Brilliant Matters Organic Solar Cells (OSCs) Product and Services

2.13.4 Brilliant Matters Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Brilliant Matters Recent Developments/Updates

2.14 Eight19

- 2.14.1 Eight19 Details
- 2.14.2 Eight19 Major Business
- 2.14.3 Eight19 Organic Solar Cells (OSCs) Product and Services
- 2.14.4 Eight19 Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.14.5 Eight19 Recent Developments/Updates
- 2.15 SunPower
 - 2.15.1 SunPower Details
 - 2.15.2 SunPower Major Business
 - 2.15.3 SunPower Organic Solar Cells (OSCs) Product and Services
 - 2.15.4 SunPower Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 SunPower Recent Developments/Updates
- 2.16 Epishine
 - 2.16.1 Epishine Details
 - 2.16.2 Epishine Major Business
 - 2.16.3 Epishine Organic Solar Cells (OSCs) Product and Services
 - 2.16.4 Epishine Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 Epishine Recent Developments/Updates
- 2.17 Solivus
 - 2.17.1 Solivus Details
 - 2.17.2 Solivus Major Business
 - 2.17.3 Solivus Organic Solar Cells (OSCs) Product and Services
 - 2.17.4 Solivus Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Solivus Recent Developments/Updates
- 2.18 Dracula Technologies
 - 2.18.1 Dracula Technologies Details
 - 2.18.2 Dracula Technologies Major Business
 - 2.18.3 Dracula Technologies Organic Solar Cells (OSCs) Product and Services
 - 2.18.4 Dracula Technologies Organic Solar Cells (OSCs) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 Dracula Technologies Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: ORGANIC SOLAR CELLS (OSCS) BY MANUFACTURER

3.1 Global Organic Solar Cells (OSCs) Sales Quantity by Manufacturer (2020-2025)

- 3.2 Global Organic Solar Cells (OSCs) Revenue by Manufacturer (2020-2025)
- 3.3 Global Organic Solar Cells (OSCs) Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Organic Solar Cells (OSCs) by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Organic Solar Cells (OSCs) Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Organic Solar Cells (OSCs) Manufacturer Market Share in 2024
- 3.5 Organic Solar Cells (OSCs) Market: Overall Company Footprint Analysis
 - 3.5.1 Organic Solar Cells (OSCs) Market: Region Footprint
 - 3.5.2 Organic Solar Cells (OSCs) Market: Company Product Type Footprint
 - 3.5.3 Organic Solar Cells (OSCs) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Organic Solar Cells (OSCs) Market Size by Region
 - 4.1.1 Global Organic Solar Cells (OSCs) Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Organic Solar Cells (OSCs) Consumption Value by Region (2020-2031)
 - 4.1.3 Global Organic Solar Cells (OSCs) Average Price by Region (2020-2031)
- 4.2 North America Organic Solar Cells (OSCs) Consumption Value (2020-2031)
- 4.3 Europe Organic Solar Cells (OSCs) Consumption Value (2020-2031)
- 4.4 Asia-Pacific Organic Solar Cells (OSCs) Consumption Value (2020-2031)
- 4.5 South America Organic Solar Cells (OSCs) Consumption Value (2020-2031)
- 4.6 Middle East & Africa Organic Solar Cells (OSCs) Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2031)
- 5.2 Global Organic Solar Cells (OSCs) Consumption Value by Type (2020-2031)
- 5.3 Global Organic Solar Cells (OSCs) Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2031)
- 6.2 Global Organic Solar Cells (OSCs) Consumption Value by Application (2020-2031)
- 6.3 Global Organic Solar Cells (OSCs) Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2031)

7.2 North America Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2031)

7.3 North America Organic Solar Cells (OSCs) Market Size by Country

7.3.1 North America Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2031)

7.3.2 North America Organic Solar Cells (OSCs) Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2031)

8.2 Europe Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2031)

8.3 Europe Organic Solar Cells (OSCs) Market Size by Country

8.3.1 Europe Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2031)

8.3.2 Europe Organic Solar Cells (OSCs) Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Organic Solar Cells (OSCs) Market Size by Region

9.3.1 Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Organic Solar Cells (OSCs) Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2031)

10.2 South America Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2031)

10.3 South America Organic Solar Cells (OSCs) Market Size by Country

10.3.1 South America Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2031)

10.3.2 South America Organic Solar Cells (OSCs) Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Organic Solar Cells (OSCs) Market Size by Country

11.3.1 Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Organic Solar Cells (OSCs) Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Organic Solar Cells (OSCs) Market Drivers

12.2 Organic Solar Cells (OSCs) Market Restraints

12.3 Organic Solar Cells (OSCs) Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Organic Solar Cells (OSCs) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Organic Solar Cells (OSCs)

13.3 Organic Solar Cells (OSCs) Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Organic Solar Cells (OSCs) Typical Distributors

14.3 Organic Solar Cells (OSCs) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Organic Solar Cells (OSCs) Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Organic Solar Cells (OSCs) Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Heliatek Basic Information, Manufacturing Base and Competitors

Table 4. Heliatek Major Business

Table 5. Heliatek Organic Solar Cells (OSCs) Product and Services

Table 6. Heliatek Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Heliatek Recent Developments/Updates

Table 8. Solarmer Energy Basic Information, Manufacturing Base and Competitors

Table 9. Solarmer Energy Major Business

Table 10. Solarmer Energy Organic Solar Cells (OSCs) Product and Services

Table 11. Solarmer Energy Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Solarmer Energy Recent Developments/Updates

Table 13. Merck Basic Information, Manufacturing Base and Competitors

Table 14. Merck Major Business

Table 15. Merck Organic Solar Cells (OSCs) Product and Services

Table 16. Merck Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Merck Recent Developments/Updates

Table 18. Belectric OPV Basic Information, Manufacturing Base and Competitors

Table 19. Belectric OPV Major Business

Table 20. Belectric OPV Organic Solar Cells (OSCs) Product and Services

Table 21. Belectric OPV Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Belectric OPV Recent Developments/Updates

Table 23. Ossila Basic Information, Manufacturing Base and Competitors

Table 24. Ossila Major Business

Table 25. Ossila Organic Solar Cells (OSCs) Product and Services

Table 26. Ossila Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Ossila Recent Developments/Updates

Table 28. ARMOR Basic Information, Manufacturing Base and Competitors

Table 29. ARMOR Major Business

Table 30. ARMOR Organic Solar Cells (OSCs) Product and Services

Table 31. ARMOR Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. ARMOR Recent Developments/Updates

Table 33. Sumitomo Chemical Basic Information, Manufacturing Base and Competitors

Table 34. Sumitomo Chemical Major Business

Table 35. Sumitomo Chemical Organic Solar Cells (OSCs) Product and Services

Table 36. Sumitomo Chemical Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Sumitomo Chemical Recent Developments/Updates

Table 38. DisaSolar Basic Information, Manufacturing Base and Competitors

Table 39. DisaSolar Major Business

Table 40. DisaSolar Organic Solar Cells (OSCs) Product and Services

Table 41. DisaSolar Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. DisaSolar Recent Developments/Updates

Table 43. Heraeus Basic Information, Manufacturing Base and Competitors

Table 44. Heraeus Major Business

Table 45. Heraeus Organic Solar Cells (OSCs) Product and Services

Table 46. Heraeus Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Heraeus Recent Developments/Updates

Table 48. SunCurtain Basic Information, Manufacturing Base and Competitors

Table 49. SunCurtain Major Business

Table 50. SunCurtain Organic Solar Cells (OSCs) Product and Services

Table 51. SunCurtain Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. SunCurtain Recent Developments/Updates

Table 53. Savvy Science Basic Information, Manufacturing Base and Competitors

Table 54. Savvy Science Major Business

Table 55. Savvy Science Organic Solar Cells (OSCs) Product and Services

Table 56. Savvy Science Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Savvy Science Recent Developments/Updates

Table 58. Flask Basic Information, Manufacturing Base and Competitors

Table 59. Flask Major Business

Table 60. Flask Organic Solar Cells (OSCs) Product and Services

Table 61. Flask Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Flask Recent Developments/Updates

Table 63. Brilliant Matters Basic Information, Manufacturing Base and Competitors

Table 64. Brilliant Matters Major Business

Table 65. Brilliant Matters Organic Solar Cells (OSCs) Product and Services

Table 66. Brilliant Matters Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Brilliant Matters Recent Developments/Updates

Table 68. Eight19 Basic Information, Manufacturing Base and Competitors

Table 69. Eight19 Major Business

Table 70. Eight19 Organic Solar Cells (OSCs) Product and Services

Table 71. Eight19 Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Eight19 Recent Developments/Updates

Table 73. SunPower Basic Information, Manufacturing Base and Competitors

Table 74. SunPower Major Business

Table 75. SunPower Organic Solar Cells (OSCs) Product and Services

Table 76. SunPower Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. SunPower Recent Developments/Updates

Table 78. Epishine Basic Information, Manufacturing Base and Competitors

Table 79. Epishine Major Business

Table 80. Epishine Organic Solar Cells (OSCs) Product and Services

Table 81. Epishine Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Epishine Recent Developments/Updates

Table 83. Solivus Basic Information, Manufacturing Base and Competitors

Table 84. Solivus Major Business

Table 85. Solivus Organic Solar Cells (OSCs) Product and Services

Table 86. Solivus Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Solivus Recent Developments/Updates

Table 88. Dracula Technologies Basic Information, Manufacturing Base and Competitors

Table 89. Dracula Technologies Major Business

Table 90. Dracula Technologies Organic Solar Cells (OSCs) Product and Services

Table 91. Dracula Technologies Organic Solar Cells (OSCs) Sales Quantity (KW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share

(2020-2025)

Table 92. Dracula Technologies Recent Developments/Updates

Table 93. Global Organic Solar Cells (OSCs) Sales Quantity by Manufacturer (2020-2025) & (KW)

Table 94. Global Organic Solar Cells (OSCs) Revenue by Manufacturer (2020-2025) & (USD Million)

Table 95. Global Organic Solar Cells (OSCs) Average Price by Manufacturer (2020-2025) & (US\$/KW)

Table 96. Market Position of Manufacturers in Organic Solar Cells (OSCs), (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 97. Head Office and Organic Solar Cells (OSCs) Production Site of Key Manufacturer

Table 98. Organic Solar Cells (OSCs) Market: Company Product Type Footprint

Table 99. Organic Solar Cells (OSCs) Market: Company Product Application Footprint

Table 100. Organic Solar Cells (OSCs) New Market Entrants and Barriers to Market Entry

Table 101. Organic Solar Cells (OSCs) Mergers, Acquisition, Agreements, and Collaborations

Table 102. Global Organic Solar Cells (OSCs) Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 103. Global Organic Solar Cells (OSCs) Sales Quantity by Region (2020-2025) & (KW)

Table 104. Global Organic Solar Cells (OSCs) Sales Quantity by Region (2026-2031) & (KW)

Table 105. Global Organic Solar Cells (OSCs) Consumption Value by Region (2020-2025) & (USD Million)

Table 106. Global Organic Solar Cells (OSCs) Consumption Value by Region (2026-2031) & (USD Million)

Table 107. Global Organic Solar Cells (OSCs) Average Price by Region (2020-2025) & (US\$/KW)

Table 108. Global Organic Solar Cells (OSCs) Average Price by Region (2026-2031) & (US\$/KW)

Table 109. Global Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2025) & (KW)

Table 110. Global Organic Solar Cells (OSCs) Sales Quantity by Type (2026-2031) & (KW)

Table 111. Global Organic Solar Cells (OSCs) Consumption Value by Type (2020-2025) & (USD Million)

Table 112. Global Organic Solar Cells (OSCs) Consumption Value by Type (2026-2031)

& (USD Million)

Table 113. Global Organic Solar Cells (OSCs) Average Price by Type (2020-2025) & (US\$/KW)

Table 114. Global Organic Solar Cells (OSCs) Average Price by Type (2026-2031) & (US\$/KW)

Table 115. Global Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2025) & (KW)

Table 116. Global Organic Solar Cells (OSCs) Sales Quantity by Application (2026-2031) & (KW)

Table 117. Global Organic Solar Cells (OSCs) Consumption Value by Application (2020-2025) & (USD Million)

Table 118. Global Organic Solar Cells (OSCs) Consumption Value by Application (2026-2031) & (USD Million)

Table 119. Global Organic Solar Cells (OSCs) Average Price by Application (2020-2025) & (US\$/KW)

Table 120. Global Organic Solar Cells (OSCs) Average Price by Application (2026-2031) & (US\$/KW)

Table 121. North America Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2025) & (KW)

Table 122. North America Organic Solar Cells (OSCs) Sales Quantity by Type (2026-2031) & (KW)

Table 123. North America Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2025) & (KW)

Table 124. North America Organic Solar Cells (OSCs) Sales Quantity by Application (2026-2031) & (KW)

Table 125. North America Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2025) & (KW)

Table 126. North America Organic Solar Cells (OSCs) Sales Quantity by Country (2026-2031) & (KW)

Table 127. North America Organic Solar Cells (OSCs) Consumption Value by Country (2020-2025) & (USD Million)

Table 128. North America Organic Solar Cells (OSCs) Consumption Value by Country (2026-2031) & (USD Million)

Table 129. Europe Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2025) & (KW)

Table 130. Europe Organic Solar Cells (OSCs) Sales Quantity by Type (2026-2031) & (KW)

Table 131. Europe Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2025) & (KW)

Table 132. Europe Organic Solar Cells (OSCs) Sales Quantity by Application (2026-2031) & (KW)

Table 133. Europe Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2025) & (KW)

Table 134. Europe Organic Solar Cells (OSCs) Sales Quantity by Country (2026-2031) & (KW)

Table 135. Europe Organic Solar Cells (OSCs) Consumption Value by Country (2020-2025) & (USD Million)

Table 136. Europe Organic Solar Cells (OSCs) Consumption Value by Country (2026-2031) & (USD Million)

Table 137. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2025) & (KW)

Table 138. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Type (2026-2031) & (KW)

Table 139. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2025) & (KW)

Table 140. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Application (2026-2031) & (KW)

Table 141. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Region (2020-2025) & (KW)

Table 142. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity by Region (2026-2031) & (KW)

Table 143. Asia-Pacific Organic Solar Cells (OSCs) Consumption Value by Region (2020-2025) & (USD Million)

Table 144. Asia-Pacific Organic Solar Cells (OSCs) Consumption Value by Region (2026-2031) & (USD Million)

Table 145. South America Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2025) & (KW)

Table 146. South America Organic Solar Cells (OSCs) Sales Quantity by Type (2026-2031) & (KW)

Table 147. South America Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2025) & (KW)

Table 148. South America Organic Solar Cells (OSCs) Sales Quantity by Application (2026-2031) & (KW)

Table 149. South America Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2025) & (KW)

Table 150. South America Organic Solar Cells (OSCs) Sales Quantity by Country (2026-2031) & (KW)

Table 151. South America Organic Solar Cells (OSCs) Consumption Value by Country

(2020-2025) & (USD Million)

Table 152. South America Organic Solar Cells (OSCs) Consumption Value by Country (2026-2031) & (USD Million)

Table 153. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Type (2020-2025) & (KW)

Table 154. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Type (2026-2031) & (KW)

Table 155. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Application (2020-2025) & (KW)

Table 156. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Application (2026-2031) & (KW)

Table 157. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Country (2020-2025) & (KW)

Table 158. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity by Country (2026-2031) & (KW)

Table 159. Middle East & Africa Organic Solar Cells (OSCs) Consumption Value by Country (2020-2025) & (USD Million)

Table 160. Middle East & Africa Organic Solar Cells (OSCs) Consumption Value by Country (2026-2031) & (USD Million)

Table 161. Organic Solar Cells (OSCs) Raw Material

Table 162. Key Manufacturers of Organic Solar Cells (OSCs) Raw Materials

Table 163. Organic Solar Cells (OSCs) Typical Distributors

Table 164. Organic Solar Cells (OSCs) Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Organic Solar Cells (OSCs) Picture

Figure 2. Global Organic Solar Cells (OSCs) Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Organic Solar Cells (OSCs) Revenue Market Share by Type in 2024

Figure 4. Intrinsic Heterojunction Solar Cells Examples

Figure 5. Dye Sensitised Solar Cells Examples

Figure 6. Global Organic Solar Cells (OSCs) Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global Organic Solar Cells (OSCs) Revenue Market Share by Application in 2024

Figure 8. Consumer Electronics Examples

Figure 9. Wearable Device Examples

Figure 10. Architecture & Building Integration Examples

Figure 11. Others Examples

Figure 12. Global Organic Solar Cells (OSCs) Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Organic Solar Cells (OSCs) Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Organic Solar Cells (OSCs) Sales Quantity (2020-2031) & (KW)

Figure 15. Global Organic Solar Cells (OSCs) Price (2020-2031) & (US\$/KW)

Figure 16. Global Organic Solar Cells (OSCs) Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Organic Solar Cells (OSCs) Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Organic Solar Cells (OSCs) by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Organic Solar Cells (OSCs) Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Organic Solar Cells (OSCs) Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Organic Solar Cells (OSCs) Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Organic Solar Cells (OSCs) Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Organic Solar Cells (OSCs) Consumption Value (2020-2031)

& (USD Million)

Figure 24. Europe Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Organic Solar Cells (OSCs) Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Organic Solar Cells (OSCs) Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Organic Solar Cells (OSCs) Average Price by Type (2020-2031) & (US\$/KW)

Figure 31. Global Organic Solar Cells (OSCs) Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Organic Solar Cells (OSCs) Revenue Market Share by Application (2020-2031)

Figure 33. Global Organic Solar Cells (OSCs) Average Price by Application (2020-2031) & (US\$/KW)

Figure 34. North America Organic Solar Cells (OSCs) Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Organic Solar Cells (OSCs) Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Organic Solar Cells (OSCs) Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Organic Solar Cells (OSCs) Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Organic Solar Cells (OSCs) Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Organic Solar Cells (OSCs) Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Organic Solar Cells (OSCs) Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Organic Solar Cells (OSCs) Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 46. France Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Organic Solar Cells (OSCs) Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Organic Solar Cells (OSCs) Consumption Value Market Share by Region (2020-2031)

Figure 54. China Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 57. India Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Organic Solar Cells (OSCs) Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Organic Solar Cells (OSCs) Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Organic Solar Cells (OSCs) Sales Quantity Market Share by

Country (2020-2031)

Figure 63. South America Organic Solar Cells (OSCs) Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Organic Solar Cells (OSCs) Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Organic Solar Cells (OSCs) Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Organic Solar Cells (OSCs) Consumption Value (2020-2031) & (USD Million)

Figure 74. Organic Solar Cells (OSCs) Market Drivers

Figure 75. Organic Solar Cells (OSCs) Market Restraints

Figure 76. Organic Solar Cells (OSCs) Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Organic Solar Cells (OSCs) in 2024

Figure 79. Manufacturing Process Analysis of Organic Solar Cells (OSCs)

Figure 80. Organic Solar Cells (OSCs) Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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