

Global Organic Photovoltaics (OPV) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Organic Photovoltaics (OPV) market size was valued at US\$ 205 million in 2024 and is forecast to a readjusted size of USD 1147 million by 2031 with a CAGR of 28.2% during review period.

Organic photovoltaics (OPV) is a rapidly emerging PV technology that convert sunlight into electricity by employing thin films of organic semiconductors. It has a photosensitive nature of the organic matter as a semiconductor material, the photovoltaic effect of the voltage generated by the current to achieve the effect of solar power.

Europe is the largest market with about 47% market share. USA is follower, accounting for about 25% market share.

The key players are ARMOR Group, AGC, Heliatek, Mitsubishi Chemical, Belectric, Henkel, Sunew, Advent Technologies Inc., Sumitomo Chemical, Toshiba, Heraeus, BASF, DisaSolar, EMD Performance Materials, Infinity PV ApS, ENI, Raynergy Tek Incorporation, NanoFlex Power Corporation, Solar Windows Technologies, Mekoprint, KOLON INDUSTRIES, INC. etc.

This report is a detailed and comprehensive analysis for global Organic Photovoltaics (OPV) 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 Photovoltaics (OPV) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Organic Photovoltaics (OPV) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Organic Photovoltaics (OPV) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Organic Photovoltaics (OPV) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 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 Photovoltaics (OPV)

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 Photovoltaics (OPV) 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 ARMOR Group, AGC, Heliatek, Mitsubishi Chemical, Belectric, Henkel, Sunew, Advent Technologies Inc., Sumitomo Chemical, Toshiba, etc.

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

Market Segmentation

Organic Photovoltaics (OPV) 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

PN Junction Structure (P-N Heterojunction)

Dye-sensitized Nanocrystalline Solar Cells (DSSC)

Market segment by Application

Consumer Electronics

Wearable Device

Architecture & Building Integration

Others

Major players covered

ARMOR Group

AGC

Heliatek

Mitsubishi Chemical

Belectric

Henkel

Sunew

Advent Technologies Inc.

Sumitomo Chemical

Toshiba

Heraeus

BASF

DisaSolar

EMD Performance Materials

Infinity PV ApS

ENI

Raynergy Tek Incorporation

NanoFlex Power Corporation

Solar Windows Technologies

Mekoprint

KOLON INDUSTRIES, INC.

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 Photovoltaics (OPV) product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Organic Photovoltaics (OPV) 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 Photovoltaics (OPV) 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 Photovoltaics (OPV).

Chapter 14 and 15, to describe Organic Photovoltaics (OPV) sales channel, distributors, customers, research findings and conclusion.

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