

# Global Perovskite Solar Cells Module Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G06D5E040F23EN.html>

Date: January 2026

Pages: 100

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

ID: G06D5E040F23EN

## Abstracts

The global Perovskite Solar Cells Module market size is expected to reach \$ 4919 million by 2032, rising at a market growth of 22.8% CAGR during the forecast period (2026-2032).

A perovskite solar cell is a type of solar cell which includes a perovskite structured compound, most commonly a hybrid organic-inorganic lead or tin halide-based material, as the light-harvesting active layer. Perovskite materials such as methylammonium lead halides are cheap to produce and simple to manufacture.

China is the largest manufacture region with about 36% market share. Europe and North America are follower.

The main manufacturers are Oxford Photovoltaics, Dyesol, Fraunhofer ISE, Saule Technologies, FrontMaterials, Weihua Solar etc.

This report studies the global Perovskite Solar Cells Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Perovskite Solar Cells Module and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Perovskite Solar Cells Module that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Perovskite Solar Cells Module total production and demand, 2021-2032, (MW)

Global Perovskite Solar Cells Module total production value, 2021-2032, (USD Million)

Global Perovskite Solar Cells Module production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MW), (based on production site)

Global Perovskite Solar Cells Module consumption by region & country, CAGR, 2021-2032 & (MW)

U.S. VS China: Perovskite Solar Cells Module domestic production, consumption, key domestic manufacturers and share

Global Perovskite Solar Cells Module production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MW)

Global Perovskite Solar Cells Module production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MW)

Global Perovskite Solar Cells Module production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MW)

This report profiles key players in the global Perovskite Solar Cells Module 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, Dyesol, Fraunhofer ISE, Saule Technologies, FrontMaterials, Weihua Solar, 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 Perovskite Solar Cells Module market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (USD/W) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Perovskite Solar Cells Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Perovskite Solar Cells Module Market, Segmentation by Type:

Rigid Module

Flexible Module

#### Global Perovskite Solar Cells Module Market, Segmentation by Application:

BIPV

Power Station

Defense & Aerospace

Transportation & Mobility

Consumer Electronics

#### Companies Profiled:

Oxford Photovoltaics

Dyesol

Fraunhofer ISE

Saule Technologies

FrontMaterials

Weihua Solar

**Key Questions Answered:**

1. How big is the global Perovskite Solar Cells Module market?
2. What is the demand of the global Perovskite Solar Cells Module market?
3. What is the year over year growth of the global Perovskite Solar Cells Module market?
4. What is the production and production value of the global Perovskite Solar Cells Module market?
5. Who are the key producers in the global Perovskite Solar Cells Module market?
6. What are the growth factors driving the market demand?

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Figure 52. Perovskite Solar Cells Module Procurement Model

Figure 53. Perovskite Solar Cells Module Sales Model

Figure 54. Perovskite Solar Cells Module Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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