

# Global Perovskite Solar Cells Module Market Research Report Forecast 2017-2021

https://marketpublishers.com/r/G176DA7F45AEN.html

Date: May 2017

Pages: 129

Price: US\$ 2,240.00 (Single User License)

ID: G176DA7F45AEN

### **Abstracts**

The Global Perovskite Solar Cells Module Market Research Report Forecast 2017-2021 is a valuable source of insightful data for business strategists. It provides the Perovskite Solar Cells Module industry overview with growth analysis and historical & futuristic cost, revenue, demand and supply data (as applicable). The research analysts provide an elaborate description of the value chain and its distributor analysis. This Perovskite Solar Cells Module market study provides comprehensive data which enhances the understanding, scope and application of this report.

This report provides comprehensive analysis of

Key market segments and sub-segments

Evolving market trends and dynamics

Changing supply and demand scenarios

Quantifying market opportunities through market sizing and market forecasting

Tracking current trends/opportunities/challenges

Competitive insights

Opportunity mapping in terms of technological breakthroughs

Global Perovskite Solar Cells Module Market: Regional Segment Analysis



#### North America

Europe

China

Japan

Southeast Asia

India

The Major players reported in the market include:

Oxford Photovoltaics

Saule Technologies

Dyesol

Fraunhofer ISE

FrontMaterials

Weihua Solar

company 7

company 8

company 9

Global Perovskite Solar Cells Module Market: Product Segment Analysis

Normal Structure

Inverted Structure

Type III

Global Perovskite Solar Cells Module Market: Application Segment Analysis

Residential Use

Commercial Use

Application 3

#### **Reasons for Buying this Report**

This report provides pin-point analysis for changing competitive dynamics

It provides a forward looking perspective on different factors driving or restraining market growth

It provides a six-year forecast assessed on the basis of how the market is predicted to grow



It helps in understanding the key product segments and their future

It provides pin point analysis of changing competition dynamics and keeps you ahead of competitors

It helps in making informed business decisions by having complete insights of market and by making in-depth analysis of market segments



### **Contents**

#### CHAPTER 1 PEROVSKITE SOLAR CELLS MODULE MARKET OVERVIEW

- 1.1 Product Overview and Scope of Perovskite Solar Cells Module
- 1.2 Perovskite Solar Cells Module Market Segmentation by Type
- 1.2.1 Global Production Market Share of Perovskite Solar Cells Module by Type in 2015
  - 1.2.1 Normal Structure
  - 1.2.2 Inverted Structure
  - 1.2.3 Type III
- 1.3 Perovskite Solar Cells Module Market Segmentation by Application
  - 1.3.1 Perovskite Solar Cells Module Consumption Market Share by Application in 2015
  - 1.3.2 Residential Use
  - 1.3.3 Commercial Use
- 1.3.4 Application
- 1.4 Perovskite Solar Cells Module Market Segmentation by Regions
  - 1.4.1 North America
  - 1.4.2 China
- 1.4.3 Europe
- 1.4.4 Southeast Asia
- 1.4.5 Japan
- 1.4.6 India
- 1.5 Global Market Size (Value) of Perovskite Solar Cells Module (2012-2021)

### CHAPTER 2 GLOBAL ECONOMIC IMPACT ON PEROVSKITE SOLAR CELLS MODULE INDUSTRY

- 2.1 Global Macroeconomic Environment Analysis
  - 2.1.1 Global Macroeconomic Analysis
  - 2.1.2 Global Macroeconomic Environment Development Trend
- 2.2 Global Macroeconomic Environment Analysis by Regions

### CHAPTER 3 GLOBAL PEROVSKITE SOLAR CELLS MODULE MARKET COMPETITION BY MANUFACTURERS

- 3.1 Global Perovskite Solar Cells Module Production and Share by Manufacturers (2015 and 2016)
- 3.2 Global Perovskite Solar Cells Module Revenue and Share by Manufacturers (2015



and 2016)

- 3.3 Global Perovskite Solar Cells Module Average Price by Manufacturers (2015 and 2016)
- 3.4 Manufacturers Perovskite Solar Cells Module Manufacturing Base Distribution, Production Area and Product Type
- 3.5 Perovskite Solar Cells Module Market Competitive Situation and Trends
- 3.5.1 Perovskite Solar Cells Module Market Concentration Rate
- 3.5.2 Perovskite Solar Cells Module Market Share of Top 3 and Top 5 Manufacturers
- 3.5.3 Mergers & Acquisitions, Expansion

## CHAPTER 4 GLOBAL PEROVSKITE SOLAR CELLS MODULE PRODUCTION, REVENUE (VALUE) BY REGION (2012-2017)

- 4.1 Global Perovskite Solar Cells Module Production by Region (2012-2017)
- 4.2 Global Perovskite Solar Cells Module Production Market Share by Region (2012-2017)
- 4.3 Global Perovskite Solar Cells Module Revenue (Value) and Market Share by Region (2012-2017)
- 4.4 Global Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)
- 4.5 North America Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)
- 4.6 Europe Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)
- 4.7 China Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)
- 4.8 Japan Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)
- 4.9 Southeast Asia Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)
- 4.10 India Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

## CHAPTER 5 GLOBAL PEROVSKITE SOLAR CELLS MODULE SUPPLY (PRODUCTION), CONSUMPTION, EXPORT, IMPORT BY REGIONS (2012-2017)

- 5.1 Global Perovskite Solar Cells Module Consumption by Regions (2012-2017)
- 5.2 North America Perovskite Solar Cells Module Production, Consumption, Export, Import by Regions (2012-2017)



- 5.3 Europe Perovskite Solar Cells Module Production, Consumption, Export, Import by Regions (2012-2017)
- 5.4 China Perovskite Solar Cells Module Production, Consumption, Export, Import by Regions (2012-2017)
- 5.5 Japan Perovskite Solar Cells Module Production, Consumption, Export, Import by Regions (2012-2017)
- 5.6 Southeast Asia Perovskite Solar Cells Module Production, Consumption, Export, Import by Regions (2012-2017)
- 5.7 India Perovskite Solar Cells Module Production, Consumption, Export, Import by Regions (2012-2017)

## CHAPTER 6 GLOBAL PEROVSKITE SOLAR CELLS MODULE PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE

- 6.1 Global Perovskite Solar Cells Module Production and Market Share by Type (2012-2017)
- 6.2 Global Perovskite Solar Cells Module Revenue and Market Share by Type (2012-2017)
- 6.3 Global Perovskite Solar Cells Module Price by Type (2012-2017)
- 6.4 Global Perovskite Solar Cells Module Production Growth by Type (2012-2017)

### CHAPTER 7 GLOBAL PEROVSKITE SOLAR CELLS MODULE MARKET ANALYSIS BY APPLICATION

- 7.1 Global Perovskite Solar Cells Module Consumption and Market Share by Application (2012-2017)
- 7.2 Global Perovskite Solar Cells Module Consumption Growth Rate by Application (2012-2017)
- 7.3 Market Drivers and Opportunities
  - 7.3.1 Potential Applications
  - 7.3.2 Emerging Markets/Countries

### CHAPTER 8 GLOBAL PEROVSKITE SOLAR CELLS MODULE MANUFACTURERS ANALYSIS

- 8.1 Oxford Photovoltaics
  - 8.1.1 Company Basic Information, Manufacturing Base and Competitors
- 8.1.2 Product Type, Application and Specification
- 8.1.3 Production, Revenue, Price and Gross Margin (2012-2017)



- 8.1.4 Business Overview
- 8.2 Saule Technologies
  - 8.2.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.2.2 Product Type, Application and Specification
  - 8.2.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.2.4 Business Overview
- 8.3 Dyesol
  - 8.3.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.3.2 Product Type, Application and Specification
  - 8.3.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.3.4 Business Overview
- 8.4 Fraunhofer ISE
  - 8.4.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.4.2 Product Type, Application and Specification
  - 8.4.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.4.4 Business Overview
- 8.5 FrontMaterials
  - 8.5.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.5.2 Product Type, Application and Specification
  - 8.5.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.5.4 Business Overview
- 8.6 Weihua Solar
  - 8.6.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.6.2 Product Type, Application and Specification
  - 8.6.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.6.4 Business Overview
- 8.7 company
  - 8.7.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.7.2 Product Type, Application and Specification
  - 8.7.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.7.4 Business Overview
- 8.8 company
  - 8.8.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.8.2 Product Type, Application and Specification
  - 8.8.3 Production, Revenue, Price and Gross Margin (2012-2017)
  - 8.8.4 Business Overview
- 8.9 company
  - 8.9.1 Company Basic Information, Manufacturing Base and Competitors
  - 8.9.2 Product Type, Application and Specification



- 8.9.3 Production, Revenue, Price and Gross Margin (2012-2017)
- 8.9.4 Business Overview

### CHAPTER 9 PEROVSKITE SOLAR CELLS MODULE MANUFACTURING COST ANALYSIS

- 9.1 Perovskite Solar Cells Module Key Raw Materials Analysis
  - 9.1.1 Key Raw Materials
  - 9.1.2 Price Trend of Key Raw Materials
  - 9.1.3 Key Suppliers of Raw Materials
  - 9.1.4 Market Concentration Rate of Raw Materials
- 9.2 Proportion of Manufacturing Cost Structure
  - 9.2.1 Raw Materials
  - 9.2.2 Labor Cost
  - 9.2.3 Manufacturing Expenses
- 9.3 Manufacturing Process Analysis of Perovskite Solar Cells Module

### CHAPTER 10 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 10.1 Perovskite Solar Cells Module Industrial Chain Analysis
- 10.2 Upstream Raw Materials Sourcing
- 10.3 Raw Materials Sources of Perovskite Solar Cells Module Major Manufacturers in 2015
- 10.4 Downstream Buyers

#### CHAPTER 11 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 11.1 Marketing Channel
  - 11.1.1 Direct Marketing
  - 11.1.2 Indirect Marketing
- 11.1.3 Marketing Channel Development Trend
- 11.2 Market Positioning
  - 11.2.1 Pricing Strategy
  - 11.2.2 Brand Strategy
  - 11.2.3 Target Client
- 11.3 Distributors/Traders List

#### CHAPTER 12 MARKET EFFECT FACTORS ANALYSIS



- 12.1 Technology Progress/Risk
  - 12.1.1 Substitutes Threat
  - 12.1.2 Technology Progress in Related Industry
- 12.2 Consumer Needs/Customer Preference Change
- 12.3 Economic/Political Environmental Change

### CHAPTER 13 GLOBAL PEROVSKITE SOLAR CELLS MODULE MARKET FORECAST (2017-2021)

- 13.1 Global Perovskite Solar Cells Module Production, Revenue Forecast (2017-2021)
- 13.2 Global Perovskite Solar Cells Module Production, Consumption Forecast by Regions (2017-2021)
- 13.3 Global Perovskite Solar Cells Module Production Forecast by Type (2017-2021)
- 13.4 Global Perovskite Solar Cells Module Consumption Forecast by Application (2017-2021)
- 13.5 Perovskite Solar Cells Module Price Forecast (2017-2021)

#### **CHAPTER 14 APPENDIX**



### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Perovskite Solar Cells Module

Figure Global Production Market Share of Perovskite Solar Cells Module by Type in 2015

Figure Product Picture of Type I

Table Major Manufacturers of Type I

Figure Product Picture of Type II

Table Major Manufacturers of Type II

Figure Product Picture of Type III

Table Major Manufacturers of Type III

Table Perovskite Solar Cells Module Consumption Market Share by Application in 2015

Figure Residential Use Examples

Figure Commercial Use Examples

Figure Application 3 Examples

Figure North America Perovskite Solar Cells Module Revenue (Million USD) and Growth Rate (2012-2021)

Figure Europe Perovskite Solar Cells Module Revenue (Million USD) and Growth Rate (2012-2021)

Figure China Perovskite Solar Cells Module Revenue (Million USD) and Growth Rate (2012-2021)

Figure Japan Perovskite Solar Cells Module Revenue (Million USD) and Growth Rate (2012-2021)

Figure Southeast Asia Perovskite Solar Cells Module Revenue (Million USD) and Growth Rate (2012-2021)

Figure India Perovskite Solar Cells Module Revenue (Million USD) and Growth Rate (2012-2021)

Figure Global Perovskite Solar Cells Module Revenue (Million UDS) and Growth Rate (2012-2021)

Table Global Perovskite Solar Cells Module Capacity of Key Manufacturers (2015 and 2016)

Table Global Perovskite Solar Cells Module Capacity Market Share by Manufacturers (2015 and 2016)

Figure Global Perovskite Solar Cells Module Capacity of Key Manufacturers in 2015 Figure Global Perovskite Solar Cells Module Capacity of Key Manufacturers in 2016 Table Global Perovskite Solar Cells Module Production of Key Manufacturers (2015 and 2016)



Table Global Perovskite Solar Cells Module Production Share by Manufacturers (2015 and 2016)

Figure 2015 Perovskite Solar Cells Module Production Share by Manufacturers
Figure 2016 Perovskite Solar Cells Module Production Share by Manufacturers
Table Global Perovskite Solar Cells Module Revenue (Million USD) by Manufacturers
(2015 and 2016)

Table Global Perovskite Solar Cells Module Revenue Share by Manufacturers (2015 and 2016)

Table 2015 Global Perovskite Solar Cells Module Revenue Share by Manufacturers
Table 2016 Global Perovskite Solar Cells Module Revenue Share by Manufacturers
Table Global Market Perovskite Solar Cells Module Average Price of Key Manufacturers
(2015 and 2016)

Figure Global Market Perovskite Solar Cells Module Average Price of Key Manufacturers in 2015

Table Manufacturers Perovskite Solar Cells Module Manufacturing Base Distribution and Sales Area

Table Manufacturers Perovskite Solar Cells Module Product Type
Figure Perovskite Solar Cells Module Market Share of Top 3 Manufacturers
Figure Perovskite Solar Cells Module Market Share of Top 5 Manufacturers
Table Global Perovskite Solar Cells Module Capacity by Regions (2012-2017)
Figure Global Perovskite Solar Cells Module Capacity Market Share by Regions (2012-2017)

Figure Global Perovskite Solar Cells Module Capacity Market Share by Regions (2012-2017)

Figure 2015 Global Perovskite Solar Cells Module Capacity Market Share by Regions Table Global Perovskite Solar Cells Module Production by Regions (2012-2017) Figure Global Perovskite Solar Cells Module Production and Market Share by Regions (2012-2017)

Figure Global Perovskite Solar Cells Module Production Market Share by Regions (2012-2017)

Figure 2015 Global Perovskite Solar Cells Module Production Market Share by Regions Table Global Perovskite Solar Cells Module Revenue by Regions (2012-2017)

Table Global Perovskite Solar Cells Module Revenue Market Share by Regions (2012-2017)

Table 2015 Global Perovskite Solar Cells Module Revenue Market Share by Regions Table Global Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table North America Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)



Table Europe Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table China Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Japan Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Southeast Asia Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table India Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Global Perovskite Solar Cells Module Consumption Market by Regions (2012-2017)

Table Global Perovskite Solar Cells Module Consumption Market Share by Regions (2012-2017)

Figure Global Perovskite Solar Cells Module Consumption Market Share by Regions (2012-2017)

Figure 2015 Global Perovskite Solar Cells Module Consumption Market Share by Regions

Table North America Perovskite Solar Cells Module Production, Consumption, Import & Export (2012-2017)

Table Europe Perovskite Solar Cells Module Production, Consumption, Import & Export (2012-2017)

Table China Perovskite Solar Cells Module Production, Consumption, Import & Export (2012-2017)

Table Japan Perovskite Solar Cells Module Production, Consumption, Import & Export (2012-2017)

Table Southeast Asia Perovskite Solar Cells Module Production, Consumption, Import & Export (2012-2017)

Table India Perovskite Solar Cells Module Production, Consumption, Import & Export (2012-2017)

Table Global Perovskite Solar Cells Module Production by Type (2012-2017)

Table Global Perovskite Solar Cells Module Production Share by Type (2012-2017)

Figure Production Market Share of Perovskite Solar Cells Module by Type (2012-2017)

Figure 2015 Production Market Share of Perovskite Solar Cells Module by Type

Table Global Perovskite Solar Cells Module Revenue by Type (2012-2017)

Table Global Perovskite Solar Cells Module Revenue Share by Type (2012-2017)

Figure Production Revenue Share of Perovskite Solar Cells Module by Type (2012-2017)

Figure 2015 Revenue Market Share of Perovskite Solar Cells Module by Type



Table Global Perovskite Solar Cells Module Price by Type (2012-2017)

Figure Global Perovskite Solar Cells Module Production Growth by Type (2012-2017)

Table Global Perovskite Solar Cells Module Consumption by Application (2012-2017)

Table Global Perovskite Solar Cells Module Consumption Market Share by Application (2012-2017)

Figure Global Perovskite Solar Cells Module Consumption Market Share by Application in 2015

Table Global Perovskite Solar Cells Module Consumption Growth Rate by Application (2012-2017)

Figure Global Perovskite Solar Cells Module Consumption Growth Rate by Application (2012-2017)

Table Oxford Photovoltaics Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Oxford Photovoltaics Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Oxford Photovoltaics Perovskite Solar Cells Module Market Share (2012-2017)

Table Saule Technologies Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Saule Technologies Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Saule Technologies Perovskite Solar Cells Module Market Share (2012-2017) Table Dyesol Basic Information, Manufacturing Base, Production Area and Its

Competitors

Table Dyesol Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Dyesol Perovskite Solar Cells Module Market Share (2012-2017)

Table Fraunhofer ISE Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Fraunhofer ISE Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table Fraunhofer ISE Perovskite Solar Cells Module Market Share (2012-2017)

Table FrontMaterials Basic Information, Manufacturing Base, Production Area and Its Competitors

Table FrontMaterials Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table FrontMaterials Perovskite Solar Cells Module Market Share (2012-2017)

Table Weihua Solar Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Weihua Solar Perovskite Solar Cells Module Production, Revenue, Price and



Gross Margin (2012-2017)

Table Weihua Solar Perovskite Solar Cells Module Market Share (2012-2017)

Table company 7 Basic Information, Manufacturing Base, Production Area and Its Competitors

Table company 7 Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table company 7 Perovskite Solar Cells Module Market Share (2012-2017)

Table company 8 Basic Information, Manufacturing Base, Production Area and Its Competitors

Table company 8 Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table company 8 Perovskite Solar Cells Module Market Share (2012-2017)

Table company 9 Basic Information, Manufacturing Base, Production Area and Its Competitors

Table company 9 Perovskite Solar Cells Module Production, Revenue, Price and Gross Margin (2012-2017)

Table company 9 Perovskite Solar Cells Module Market Share (2012-2017)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Perovskite Solar Cells Module

Figure Manufacturing Process Analysis of Perovskite Solar Cells Module

Figure Perovskite Solar Cells Module Industrial Chain Analysis

Table Raw Materials Sources of Perovskite Solar Cells Module Major Manufacturers in 2015

Table Major Buyers of Perovskite Solar Cells Module

Table Distributors/Traders List

Figure Global Perovskite Solar Cells Module Production and Growth Rate Forecast (2017-2021)

Figure Global Perovskite Solar Cells Module Revenue and Growth Rate Forecast (2017-2021)

Table Global Perovskite Solar Cells Module Production Forecast by Regions (2017-2021)

Table Global Perovskite Solar Cells Module Consumption Forecast by Regions (2017-2021)

Table Global Perovskite Solar Cells Module Production Forecast by Type (2017-2021)

Table Global Perovskite Solar Cells Module Consumption Forecast by Application (2017-2021)



### **COMPANIES MENTIONED**

Oxford Photovoltaics
Saule Technologies
Dyesol
Fraunhofer ISE
FrontMaterials
Weihua Solar



#### I would like to order

Product name: Global Perovskite Solar Cells Module Market Research Report Forecast 2017-2021

Product link: https://marketpublishers.com/r/G176DA7F45AEN.html

Price: US\$ 2,240.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

### **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G176DA7F45AEN.html">https://marketpublishers.com/r/G176DA7F45AEN.html</a>

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 |
|               | 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