

# Global Perovskite Solar Cells Market Professional Survey Report 2017

<https://marketpublishers.com/r/G6403B8B219PEN.html>

Date: October 2017

Pages: 101

Price: US\$ 3,500.00 (Single User License)

ID: G6403B8B219PEN

## Abstracts

This report studies Perovskite Solar Cells in Global market, especially in North America, China, Europe, Southeast Asia, Japan and India, with production, revenue, consumption, import and export in these regions, from 2012 to 2016, and forecast to 2022.

This report focuses on top manufacturers in global market, with production, price, revenue and market share for each manufacturer, covering

Crystalsol (CZTS)

CSIRO

Dyesol

Fraunhofer ISE

FrontMaterials

G24 Power

Oxford Photovoltaics

Saule Technologies

Technical Research Centre of Finland (VTT)

## Weihua Solar

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

Normal Structure

Inverted Structure

By Application, the market can be split into

Residential Use

Commercial Use

By Regions, this report covers (we can add the regions/countries as you want)

North America

China

Europe

Southeast Asia

Japan

India

If you have any special requirements, please let us know and we will offer you the report as you want.

## Contents

Global Perovskite Solar Cells Market Professional Survey Report 2017

### **1 INDUSTRY OVERVIEW OF PEROVSKITE SOLAR CELLS**

#### 1.1 Definition and Specifications of Perovskite Solar Cells

1.1.1 Definition of Perovskite Solar Cells

1.1.2 Specifications of Perovskite Solar Cells

#### 1.2 Classification of Perovskite Solar Cells

1.2.1 Normal Structure

1.2.2 Inverted Structure

#### 1.3 Applications of Perovskite Solar Cells

1.3.1 Residential Use

1.3.2 Commercial Use

1.3.3 Application

#### 1.4 Market Segment 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

### **2 MANUFACTURING COST STRUCTURE ANALYSIS OF PEROVSKITE SOLAR CELLS**

#### 2.1 Raw Material and Suppliers

#### 2.2 Manufacturing Cost Structure Analysis of Perovskite Solar Cells

#### 2.3 Manufacturing Process Analysis of Perovskite Solar Cells

#### 2.4 Industry Chain Structure of Perovskite Solar Cells

### **3 TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS OF PEROVSKITE SOLAR CELLS**

#### 3.1 Capacity and Commercial Production Date of Global Perovskite Solar Cells Major Manufacturers in 2016

#### 3.2 Manufacturing Plants Distribution of Global Perovskite Solar Cells Major Manufacturers in 2016

3.3 R&D Status and Technology Source of Global Perovskite Solar Cells Major Manufacturers in 2016

3.4 Raw Materials Sources Analysis of Global Perovskite Solar Cells Major Manufacturers in 2016

## **4 GLOBAL PEROVSKITE SOLAR CELLS OVERALL MARKET OVERVIEW**

4.1 2012-2017E Overall Market Analysis

4.2 Capacity Analysis

4.2.1 2012-2017E Global Perovskite Solar Cells Capacity and Growth Rate Analysis

4.2.2 2016 Perovskite Solar Cells Capacity Analysis (Company Segment)

4.3 Sales Analysis

4.3.1 2012-2017E Global Perovskite Solar Cells Sales and Growth Rate Analysis

4.3.2 2016 Perovskite Solar Cells Sales Analysis (Company Segment)

4.4 Sales Price Analysis

4.4.1 2012-2017E Global Perovskite Solar Cells Sales Price

4.4.2 2016 Perovskite Solar Cells Sales Price Analysis (Company Segment)

## **5 PEROVSKITE SOLAR CELLS REGIONAL MARKET ANALYSIS**

5.1 North America Perovskite Solar Cells Market Analysis

5.1.1 North America Perovskite Solar Cells Market Overview

5.1.2 North America 2012-2017E Perovskite Solar Cells Local Supply, Import, Export, Local Consumption Analysis

5.1.3 North America 2012-2017E Perovskite Solar Cells Sales Price Analysis

5.1.4 North America 2016 Perovskite Solar Cells Market Share Analysis

5.2 China Perovskite Solar Cells Market Analysis

5.2.1 China Perovskite Solar Cells Market Overview

5.2.2 China 2012-2017E Perovskite Solar Cells Local Supply, Import, Export, Local Consumption Analysis

5.2.3 China 2012-2017E Perovskite Solar Cells Sales Price Analysis

5.2.4 China 2016 Perovskite Solar Cells Market Share Analysis

5.3 Europe Perovskite Solar Cells Market Analysis

5.3.1 Europe Perovskite Solar Cells Market Overview

5.3.2 Europe 2012-2017E Perovskite Solar Cells Local Supply, Import, Export, Local Consumption Analysis

5.3.3 Europe 2012-2017E Perovskite Solar Cells Sales Price Analysis

5.3.4 Europe 2016 Perovskite Solar Cells Market Share Analysis

5.4 Southeast Asia Perovskite Solar Cells Market Analysis

- 5.4.1 Southeast Asia Perovskite Solar Cells Market Overview
- 5.4.2 Southeast Asia 2012-2017E Perovskite Solar Cells Local Supply, Import, Export, Local Consumption Analysis
- 5.4.3 Southeast Asia 2012-2017E Perovskite Solar Cells Sales Price Analysis
- 5.4.4 Southeast Asia 2016 Perovskite Solar Cells Market Share Analysis
- 5.5 Japan Perovskite Solar Cells Market Analysis
  - 5.5.1 Japan Perovskite Solar Cells Market Overview
  - 5.5.2 Japan 2012-2017E Perovskite Solar Cells Local Supply, Import, Export, Local Consumption Analysis
  - 5.5.3 Japan 2012-2017E Perovskite Solar Cells Sales Price Analysis
  - 5.5.4 Japan 2016 Perovskite Solar Cells Market Share Analysis
- 5.6 India Perovskite Solar Cells Market Analysis
  - 5.6.1 India Perovskite Solar Cells Market Overview
  - 5.6.2 India 2012-2017E Perovskite Solar Cells Local Supply, Import, Export, Local Consumption Analysis
  - 5.6.3 India 2012-2017E Perovskite Solar Cells Sales Price Analysis
  - 5.6.4 India 2016 Perovskite Solar Cells Market Share Analysis

## **6 GLOBAL 2012-2017E PEROVSKITE SOLAR CELLS SEGMENT MARKET ANALYSIS (BY TYPE)**

- 6.1 Global 2012-2017E Perovskite Solar Cells Sales by Type
- 6.2 Different Types of Perovskite Solar Cells Product Interview Price Analysis
- 6.3 Different Types of Perovskite Solar Cells Product Driving Factors Analysis
  - 6.3.1 Normal Structure of Perovskite Solar Cells Growth Driving Factor Analysis
  - 6.3.2 Inverted Structure of Perovskite Solar Cells Growth Driving Factor Analysis

## **7 GLOBAL 2012-2017E PEROVSKITE SOLAR CELLS SEGMENT MARKET ANALYSIS (BY APPLICATION)**

- 7.1 Global 2012-2017E Perovskite Solar Cells Consumption by Application
- 7.2 Different Application of Perovskite Solar Cells Product Interview Price Analysis
- 7.3 Different Application of Perovskite Solar Cells Product Driving Factors Analysis
  - 7.3.1 Residential Use of Perovskite Solar Cells Growth Driving Factor Analysis
  - 7.3.2 Commercial Use of Perovskite Solar Cells Growth Driving Factor Analysis

## **8 MAJOR MANUFACTURERS ANALYSIS OF PEROVSKITE SOLAR CELLS**

- 8.1 Crystalsol (CZTS)

- 8.1.1 Company Profile
- 8.1.2 Product Picture and Specifications
  - 8.1.2.1 Product A
  - 8.1.2.2 Product B
- 8.1.3 Crystalsol (CZTS) 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.1.4 Crystalsol (CZTS) 2016 Perovskite Solar Cells Business Region Distribution Analysis
- 8.2 CSIRO
  - 8.2.1 Company Profile
  - 8.2.2 Product Picture and Specifications
    - 8.2.2.1 Product A
    - 8.2.2.2 Product B
  - 8.2.3 CSIRO 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis
  - 8.2.4 CSIRO 2016 Perovskite Solar Cells Business Region Distribution Analysis
- 8.3 Dyesol
  - 8.3.1 Company Profile
  - 8.3.2 Product Picture and Specifications
    - 8.3.2.1 Product A
    - 8.3.2.2 Product B
  - 8.3.3 Dyesol 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis
  - 8.3.4 Dyesol 2016 Perovskite Solar Cells Business Region Distribution Analysis
- 8.4 Fraunhofer ISE
  - 8.4.1 Company Profile
  - 8.4.2 Product Picture and Specifications
    - 8.4.2.1 Product A
    - 8.4.2.2 Product B
  - 8.4.3 Fraunhofer ISE 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis
  - 8.4.4 Fraunhofer ISE 2016 Perovskite Solar Cells Business Region Distribution Analysis
- 8.5 FrontMaterials
  - 8.5.1 Company Profile
  - 8.5.2 Product Picture and Specifications
    - 8.5.2.1 Product A
    - 8.5.2.2 Product B
  - 8.5.3 FrontMaterials 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue,

## Gross Margin Analysis

### 8.5.4 FrontMaterials 2016 Perovskite Solar Cells Business Region Distribution

## Analysis

## 8.6 G24 Power

### 8.6.1 Company Profile

### 8.6.2 Product Picture and Specifications

#### 8.6.2.1 Product A

#### 8.6.2.2 Product B

### 8.6.3 G24 Power 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis

### 8.6.4 G24 Power 2016 Perovskite Solar Cells Business Region Distribution Analysis

## 8.7 Oxford Photovoltaics

### 8.7.1 Company Profile

### 8.7.2 Product Picture and Specifications

#### 8.7.2.1 Product A

#### 8.7.2.2 Product B

### 8.7.3 Oxford Photovoltaics 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis

### 8.7.4 Oxford Photovoltaics 2016 Perovskite Solar Cells Business Region Distribution Analysis

## 8.8 Saule Technologies

### 8.8.1 Company Profile

### 8.8.2 Product Picture and Specifications

#### 8.8.2.1 Product A

#### 8.8.2.2 Product B

### 8.8.3 Saule Technologies 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis

### 8.8.4 Saule Technologies 2016 Perovskite Solar Cells Business Region Distribution Analysis

## 8.9 Technical Research Centre of Finland (VTT)

### 8.9.1 Company Profile

### 8.9.2 Product Picture and Specifications

#### 8.9.2.1 Product A

#### 8.9.2.2 Product B

### 8.9.3 Technical Research Centre of Finland (VTT) 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis

### 8.9.4 Technical Research Centre of Finland (VTT) 2016 Perovskite Solar Cells Business Region Distribution Analysis

## 8.10 Weihua Solar

- 8.10.1 Company Profile
- 8.10.2 Product Picture and Specifications
  - 8.10.2.1 Product A
  - 8.10.2.2 Product B
- 8.10.3 Weihua Solar 2016 Perovskite Solar Cells Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.10.4 Weihua Solar 2016 Perovskite Solar Cells Business Region Distribution Analysis

## **9 DEVELOPMENT TREND OF ANALYSIS OF PEROVSKITE SOLAR CELLS MARKET**

- 9.1 Global Perovskite Solar Cells Market Trend Analysis
  - 9.1.1 Global 2017-2022 Perovskite Solar Cells Market Size (Volume and Value) Forecast
  - 9.1.2 Global 2017-2022 Perovskite Solar Cells Sales Price Forecast
- 9.2 Perovskite Solar Cells Regional Market Trend
  - 9.2.1 North America 2017-2022 Perovskite Solar Cells Consumption Forecast
  - 9.2.2 China 2017-2022 Perovskite Solar Cells Consumption Forecast
  - 9.2.3 Europe 2017-2022 Perovskite Solar Cells Consumption Forecast
  - 9.2.4 Southeast Asia 2017-2022 Perovskite Solar Cells Consumption Forecast
  - 9.2.5 Japan 2017-2022 Perovskite Solar Cells Consumption Forecast
  - 9.2.6 India 2017-2022 Perovskite Solar Cells Consumption Forecast
- 9.3 Perovskite Solar Cells Market Trend (Product Type)
- 9.4 Perovskite Solar Cells Market Trend (Application)

## **10 PEROVSKITE SOLAR CELLS MARKETING TYPE ANALYSIS**

- 10.1 Perovskite Solar Cells Regional Marketing Type Analysis
- 10.2 Perovskite Solar Cells International Trade Type Analysis
- 10.3 Traders or Distributors with Contact Information of Perovskite Solar Cells by Region
- 10.4 Perovskite Solar Cells Supply Chain Analysis

## **11 CONSUMERS ANALYSIS OF PEROVSKITE SOLAR CELLS**

- 11.1 Consumer 1 Analysis
- 11.2 Consumer 2 Analysis
- 11.3 Consumer 3 Analysis



11.4 Consumer 4 Analysis

## **12 CONCLUSION OF THE GLOBAL PEROVSKITE SOLAR CELLS MARKET PROFESSIONAL SURVEY REPORT 2017**

Methodology

Analyst Introduction

Data Source

The report requires updating with new data and is sent in 2-3 business days after order is placed.

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Perovskite Solar Cells

Table Product Specifications of Perovskite Solar Cells

Table Classification of Perovskite Solar Cells

Figure Global Production Market Share of Perovskite Solar Cells by Type in 2016

Figure Normal Structure Picture

Table Major Manufacturers of Normal Structure

Figure Inverted Structure Picture

Table Major Manufacturers of Inverted Structure

Table Applications of Perovskite Solar Cells

Figure Global Consumption Volume Market Share of Perovskite Solar Cells by Application in 2016

Figure Residential Use Examples

Table Major Consumers in Residential Use

Figure Commercial Use Examples

Table Major Consumers in Commercial Use

Figure Market Share of Perovskite Solar Cells by Regions

Figure North America Perovskite Solar Cells Market Size (Million USD) (2012-2022)

Figure China Perovskite Solar Cells Market Size (Million USD) (2012-2022)

Figure Europe Perovskite Solar Cells Market Size (Million USD) (2012-2022)

Figure Southeast Asia Perovskite Solar Cells Market Size (Million USD) (2012-2022)

Figure Japan Perovskite Solar Cells Market Size (Million USD) (2012-2022)

Figure India Perovskite Solar Cells Market Size (Million USD) (2012-2022)

Table Perovskite Solar Cells Raw Material and Suppliers

Table Manufacturing Cost Structure Analysis of Perovskite Solar Cells in 2016

Figure Manufacturing Process Analysis of Perovskite Solar Cells

Figure Industry Chain Structure of Perovskite Solar Cells

Table Capacity and Commercial Production Date of Global Perovskite Solar Cells Major Manufacturers in 2016

Table Manufacturing Plants Distribution of Global Perovskite Solar Cells Major Manufacturers in 2016

Table R&D Status and Technology Source of Global Perovskite Solar Cells Major Manufacturers in 2016

Table Raw Materials Sources Analysis of Global Perovskite Solar Cells Major Manufacturers in 2016

Table Global Capacity, Sales, Price, Cost, Sales Revenue (M USD) and Gross Margin

of Perovskite Solar Cells 2012-2017

Figure Global 2012-2017E Perovskite Solar Cells Market Size (Volume) and Growth Rate

Figure Global 2012-2017E Perovskite Solar Cells Market Size (Value) and Growth Rate

Table 2012-2017E Global Perovskite Solar Cells Capacity and Growth Rate

Table 2016 Global Perovskite Solar Cells Capacity (K Units) List (Company Segment)

Table 2012-2017E Global Perovskite Solar Cells Sales (K Units) and Growth Rate

Table 2016 Global Perovskite Solar Cells Sales (K Units) List (Company Segment)

Table 2012-2017E Global Perovskite Solar Cells Sales Price (USD/Unit)

Table 2016 Global Perovskite Solar Cells Sales Price (USD/Unit) List (Company Segment)

Figure North America Capacity Overview

Table North America Supply, Import, Export and Consumption (K Units) of Perovskite Solar Cells 2012-2017E

Figure North America 2012-2017E Perovskite Solar Cells Sales Price (USD/Unit)

Figure North America 2016 Perovskite Solar Cells Sales Market Share

Figure China Capacity Overview

Table China Supply, Import, Export and Consumption (K Units) of Perovskite Solar Cells 2012-2017E

Figure China 2012-2017E Perovskite Solar Cells Sales Price (USD/Unit)

Figure China 2016 Perovskite Solar Cells Sales Market Share

Figure Europe Capacity Overview

Table Europe Supply, Import, Export and Consumption (K Units) of Perovskite Solar Cells 2012-2017E

Figure Europe 2012-2017E Perovskite Solar Cells Sales Price (USD/Unit)

Figure Europe 2016 Perovskite Solar Cells Sales Market Share

Figure Southeast Asia Capacity Overview

Table Southeast Asia Supply, Import, Export and Consumption (K Units) of Perovskite Solar Cells 2012-2017E

Figure Southeast Asia 2012-2017E Perovskite Solar Cells Sales Price (USD/Unit)

Figure Southeast Asia 2016 Perovskite Solar Cells Sales Market Share

Figure Japan Capacity Overview

Table Japan Supply, Import, Export and Consumption (K Units) of Perovskite Solar Cells 2012-2017E

Figure Japan 2012-2017E Perovskite Solar Cells Sales Price (USD/Unit)

Figure Japan 2016 Perovskite Solar Cells Sales Market Share

Figure India Capacity Overview

Table India Supply, Import, Export and Consumption (K Units) of Perovskite Solar Cells 2012-2017E

Figure India 2012-2017E Perovskite Solar Cells Sales Price (USD/Unit)  
Figure India 2016 Perovskite Solar Cells Sales Market Share  
Table Global 2012-2017E Perovskite Solar Cells Sales (K Units) by Type  
Table Different Types Perovskite Solar Cells Product Interview Price  
Table Global 2012-2017E Perovskite Solar Cells Sales (K Units) by Application  
Table Different Application Perovskite Solar Cells Product Interview Price  
Table Crystalsol (CZTS) Information List  
Table Product A Overview  
Table Product B Overview  
Table 2016 Crystalsol (CZTS) Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)  
Figure 2016 Crystalsol (CZTS) Perovskite Solar Cells Business Region Distribution  
Table CSIRO Information List  
Table Product A Overview  
Table Product B Overview  
Table 2016 CSIRO Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)  
Figure 2016 CSIRO Perovskite Solar Cells Business Region Distribution  
Table Dyesol Information List  
Table Product A Overview  
Table Product B Overview  
Table 2015 Dyesol Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)  
Figure 2016 Dyesol Perovskite Solar Cells Business Region Distribution  
Table Fraunhofer ISE Information List  
Table Product A Overview  
Table Product B Overview  
Table 2016 Fraunhofer ISE Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)  
Figure 2016 Fraunhofer ISE Perovskite Solar Cells Business Region Distribution  
Table FrontMaterials Information List  
Table Product A Overview  
Table Product B Overview  
Table 2016 FrontMaterials Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)  
Figure 2016 FrontMaterials Perovskite Solar Cells Business Region Distribution  
Table G24 Power Information List  
Table Product A Overview  
Table Product B Overview

Table 2016 G24 Power Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 G24 Power Perovskite Solar Cells Business Region Distribution

Table Oxford Photovoltaics Information List

Table Product A Overview

Table Product B Overview

Table 2016 Oxford Photovoltaics Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 Oxford Photovoltaics Perovskite Solar Cells Business Region Distribution

Table Saule Technologies Information List

Table Product A Overview

Table Product B Overview

Table 2016 Saule Technologies Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 Saule Technologies Perovskite Solar Cells Business Region Distribution

Table Technical Research Centre of Finland (VTT) Information List

Table Product A Overview

Table Product B Overview

Table 2016 Technical Research Centre of Finland (VTT) Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 Technical Research Centre of Finland (VTT) Perovskite Solar Cells Business Region Distribution

Table Weihua Solar Information List

Table Product A Overview

Table Product B Overview

Table 2016 Weihua Solar Perovskite Solar Cells Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 Weihua Solar Perovskite Solar Cells Business Region Distribution

Figure Global 2017-2022 Perovskite Solar Cells Market Size (K Units) and Growth Rate Forecast

Figure Global 2017-2022 Perovskite Solar Cells Market Size (Million USD) and Growth Rate Forecast

Figure Global 2017-2022 Perovskite Solar Cells Sales Price (USD/Unit) Forecast

Figure North America 2017-2022 Perovskite Solar Cells Consumption Volume (K Units) and Growth Rate Forecast

Figure China 2017-2022 Perovskite Solar Cells Consumption Volume (K Units) and Growth Rate Forecast

Figure Europe 2017-2022 Perovskite Solar Cells Consumption Volume (K Units) and Growth Rate Forecast

Figure Southeast Asia 2017-2022 Perovskite Solar Cells Consumption Volume (K Units) and Growth Rate Forecast

Figure Japan 2017-2022 Perovskite Solar Cells Consumption Volume (K Units) and Growth Rate Forecast

Figure India 2017-2022 Perovskite Solar Cells Consumption Volume (K Units) and Growth Rate Forecast

Table Global Sales Volume (K Units) of Perovskite Solar Cells by Type 2017-2022

Table Global Consumption Volume (K Units) of Perovskite Solar Cells by Application 2017-2022

Table Traders or Distributors with Contact Information of Perovskite Solar Cells by Region

## I would like to order

Product name: Global Perovskite Solar Cells Market Professional Survey Report 2017

Product link: <https://marketpublishers.com/r/G6403B8B219PEN.html>

Price: US\$ 3,500.00 (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/G6403B8B219PEN.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