

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Perovskite Solar Cells Market 2018, Forecast to 2023

<https://marketpublishers.com/r/GB19DCF3707EN.html>

Date: June 2018

Pages: 131

Price: US\$ 4,880.00 (Single User License)

ID: GB19DCF3707EN

Abstracts

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.

SCOPE OF THE REPORT:

This report focuses on the Perovskite Solar Cells in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Perovskite solar cells module has obtained great attention from the research center and the conversion efficiency has increased for times science its first reported in 2009. However, there is no company that produce perovskite solar cell module in industrial scale. The commercial production may be possible around 2018. Since the anti-dumping duties occurred, the competitive status have already turned white-hot for the conventional photovoltaic industry, with the price declining, the gross profit of the whole industry is narrowing, and be unsteady to some extent. In other word, the perovskite solar cell module may have the opportunity to reintegrate photovoltaic industry and contribute to the industry without overcapacity.

The worldwide market for Perovskite Solar Cells is expected to grow at a CAGR of roughly 36.0% over the next five years, will reach 1270 million US\$ in 2023, from 270 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Oxford Photovoltaics

Saule Technologies

Dyesol

Fraunhofer ISE

FrontMaterials

Weihua Solar

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Normal Structure

Inverted Structure

Market Segment by Applications, can be divided into

Residential Use

Commercial Use

There are 15 Chapters to deeply display the global Perovskite Solar Cells market.

Chapter 1, to describe Perovskite Solar Cells Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Perovskite Solar Cells, with sales, revenue, and price of Perovskite Solar Cells, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Perovskite Solar Cells, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Perovskite Solar Cells market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Perovskite Solar Cells sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

- 1.1 Perovskite Solar Cells Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Normal Structure
 - 1.2.2 Inverted Structure
- 1.3 Market Analysis by Applications
 - 1.3.1 Residential Use
 - 1.3.2 Commercial Use
- 1.4 Market Analysis by Regions
 - 1.4.1 North America (United States, Canada and Mexico)
 - 1.4.1.1 United States Market States and Outlook (2013-2023)
 - 1.4.1.2 Canada Market States and Outlook (2013-2023)
 - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
 - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
 - 1.4.2.1 Germany Market States and Outlook (2013-2023)
 - 1.4.2.2 France Market States and Outlook (2013-2023)
 - 1.4.2.3 UK Market States and Outlook (2013-2023)
 - 1.4.2.4 Russia Market States and Outlook (2013-2023)
 - 1.4.2.5 Italy Market States and Outlook (2013-2023)
 - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
 - 1.4.3.1 China Market States and Outlook (2013-2023)
 - 1.4.3.2 Japan Market States and Outlook (2013-2023)
 - 1.4.3.3 Korea Market States and Outlook (2013-2023)
 - 1.4.3.4 India Market States and Outlook (2013-2023)
 - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
 - 1.4.4 South America, Middle East and Africa
 - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
 - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
 - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
 - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
 - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)
- 1.5 Market Dynamics
 - 1.5.1 Market Opportunities
 - 1.5.2 Market Risk
 - 1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 Oxford Photovoltaics

2.1.1 Business Overview

2.1.1.1 Oxford Photovoltaics Description

2.1.1.2 Oxford Photovoltaics Headquarter, Main Business and Finance Overview

2.1.2 Oxford Photovoltaics Perovskite Solar Cells Product Introduction

2.1.2.1 Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

2.1.2.2 Perovskite Solar Cells Product Information

2.1.3 Oxford Photovoltaics Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 Oxford Photovoltaics Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global Oxford Photovoltaics Perovskite Solar Cells Market Share in 2017

2.2 Saule Technologies

2.2.1 Business Overview

2.2.1.1 Saule Technologies Description

2.2.1.2 Saule Technologies Headquarter, Main Business and Finance Overview

2.2.2 Saule Technologies Perovskite Solar Cells Product Introduction

2.2.2.1 Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

2.2.2.2 Perovskite Solar Cells Product Information

2.2.3 Saule Technologies Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 Saule Technologies Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global Saule Technologies Perovskite Solar Cells Market Share in 2017

2.3 Dyesol

2.3.1 Business Overview

2.3.1.1 Dyesol Description

2.3.1.2 Dyesol Headquarter, Main Business and Finance Overview

2.3.2 Dyesol Perovskite Solar Cells Product Introduction

2.3.2.1 Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

2.3.2.2 Perovskite Solar Cells Product Information

2.3.3 Dyesol Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 Dyesol Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and

Market Share (2016-2017)

2.3.3.2 Global Dyesol Perovskite Solar Cells Market Share in 2017

2.4 Fraunhofer ISE

2.4.1 Business Overview

2.4.1.1 Fraunhofer ISE Description

2.4.1.2 Fraunhofer ISE Headquarter, Main Business and Finance Overview

2.4.2 Fraunhofer ISE Perovskite Solar Cells Product Introduction

2.4.2.1 Perovskite Solar Cells Production Bases, Sales Regions and Major

Competitors

2.4.2.2 Perovskite Solar Cells Product Information

2.4.3 Fraunhofer ISE Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 Fraunhofer ISE Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global Fraunhofer ISE Perovskite Solar Cells Market Share in 2017

2.5 FrontMaterials

2.5.1 Business Overview

2.5.1.1 FrontMaterials Description

2.5.1.2 FrontMaterials Headquarter, Main Business and Finance Overview

2.5.2 FrontMaterials Perovskite Solar Cells Product Introduction

2.5.2.1 Perovskite Solar Cells Production Bases, Sales Regions and Major

Competitors

2.5.2.2 Perovskite Solar Cells Product Information

2.5.3 FrontMaterials Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 FrontMaterials Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global FrontMaterials Perovskite Solar Cells Market Share in 2017

2.6 Weihua Solar

2.6.1 Business Overview

2.6.1.1 Weihua Solar Description

2.6.1.2 Weihua Solar Headquarter, Main Business and Finance Overview

2.6.2 Weihua Solar Perovskite Solar Cells Product Introduction

2.6.2.1 Perovskite Solar Cells Production Bases, Sales Regions and Major

Competitors

2.6.2.2 Perovskite Solar Cells Product Information

2.6.3 Weihua Solar Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 Weihua Solar Perovskite Solar Cells Sales, Price, Revenue, Gross Margin

and Market Share (2016-2017)

2.6.3.2 Global Weihua Solar Perovskite Solar Cells Market Share in 2017

3 GLOBAL PEROVSKITE SOLAR CELLS MARKET COMPETITION, BY MANUFACTURER

3.1 Global Perovskite Solar Cells Sales and Market Share by Manufacturer (2016-2017)

3.2 Global Perovskite Solar Cells Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global Perovskite Solar Cells Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 Perovskite Solar Cells Manufacturer Market Share in 2017

3.4.2 Top 5 Perovskite Solar Cells Manufacturer Market Share in 2017

3.5 Market Competition Trend

4 GLOBAL PEROVSKITE SOLAR CELLS MARKET ANALYSIS BY REGIONS

4.1 Global Perovskite Solar Cells Sales, Revenue and Market Share by Regions

4.1.1 Global Perovskite Solar Cells Sales by Regions (2013-2018)

4.1.2 Global Perovskite Solar Cells Revenue by Regions (2013-2018)

4.2 North America Perovskite Solar Cells Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe Perovskite Solar Cells Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Perovskite Solar Cells Sales, Revenue and Growth Rate (2013-2018)

4.5 South America Perovskite Solar Cells Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa Perovskite Solar Cells Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA PEROVSKITE SOLAR CELLS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

5.1 North America Perovskite Solar Cells Sales, Revenue and Market Share by Countries

5.1.1 North America Perovskite Solar Cells Sales by Countries (2013-2018)

5.1.2 North America Perovskite Solar Cells Revenue by Countries (2013-2018)

5.1.3 United States Perovskite Solar Cells Sales and Growth Rate (2013-2018)

5.1.4 Canada Perovskite Solar Cells Sales and Growth Rate (2013-2018)

5.1.5 Mexico Perovskite Solar Cells Sales and Growth Rate (2013-2018)

5.2 North America Perovskite Solar Cells Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America Perovskite Solar Cells Sales by Manufacturers (2016-2017)

5.2.2 North America Perovskite Solar Cells Revenue by Manufacturers (2016-2017)

5.3 North America Perovskite Solar Cells Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America Perovskite Solar Cells Sales and Sales Share by Type (2013-2018)

5.3.2 North America Perovskite Solar Cells Revenue and Revenue Share by Type (2013-2018)

5.4 North America Perovskite Solar Cells Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America Perovskite Solar Cells Sales and Sales Share by Application (2013-2018)

5.4.2 North America Perovskite Solar Cells Revenue and Revenue Share by Application (2013-2018)

6 EUROPE PEROVSKITE SOLAR CELLS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

6.1 Europe Perovskite Solar Cells Sales, Revenue and Market Share by Countries

6.1.1 Europe Perovskite Solar Cells Sales by Countries (2013-2018)

6.1.2 Europe Perovskite Solar Cells Revenue by Countries (2013-2018)

6.1.3 Germany Perovskite Solar Cells Sales and Growth Rate (2013-2018)

6.1.4 UK Perovskite Solar Cells Sales and Growth Rate (2013-2018)

6.1.5 France Perovskite Solar Cells Sales and Growth Rate (2013-2018)

6.1.6 Russia Perovskite Solar Cells Sales and Growth Rate (2013-2018)

6.1.7 Italy Perovskite Solar Cells Sales and Growth Rate (2013-2018)

6.2 Europe Perovskite Solar Cells Sales and Revenue (Value) by Manufacturers (2016-2017)

6.2.1 Europe Perovskite Solar Cells Sales by Manufacturers (2016-2017)

6.2.2 Europe Perovskite Solar Cells Revenue by Manufacturers (2016-2017)

6.3 Europe Perovskite Solar Cells Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe Perovskite Solar Cells Sales and Sales Share by Type (2013-2018)

6.3.2 Europe Perovskite Solar Cells Revenue and Revenue Share by Type (2013-2018)

6.4 Europe Perovskite Solar Cells Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe Perovskite Solar Cells Sales and Sales Share by Application
(2013-2018)

6.4.2 Europe Perovskite Solar Cells Revenue and Revenue Share by Application
(2013-2018)

7 ASIA-PACIFIC PEROVSKITE SOLAR CELLS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

7.1 Asia-Pacific Perovskite Solar Cells Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific Perovskite Solar Cells Sales by Countries (2013-2018)

7.1.2 Asia-Pacific Perovskite Solar Cells Revenue by Countries (2013-2018)

7.1.3 China Perovskite Solar Cells Sales and Growth Rate (2013-2018)

7.1.4 Japan Perovskite Solar Cells Sales and Growth Rate (2013-2018)

7.1.5 Korea Perovskite Solar Cells Sales and Growth Rate (2013-2018)

7.1.6 India Perovskite Solar Cells Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia Perovskite Solar Cells Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific Perovskite Solar Cells Sales and Revenue (Value) by Manufacturers
(2016-2017)

7.2.1 Asia-Pacific Perovskite Solar Cells Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific Perovskite Solar Cells Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific Perovskite Solar Cells Sales, Revenue and Market Share by Type
(2013-2018)

7.3.1 Asia-Pacific Perovskite Solar Cells Sales and Sales Share by Type (2013-2018)

7.3.2 Asia-Pacific Perovskite Solar Cells Revenue and Revenue Share by Type
(2013-2018)

7.4 Asia-Pacific Perovskite Solar Cells Sales, Revenue and Market Share by
Application (2013-2018)

7.4.1 Asia-Pacific Perovskite Solar Cells Sales and Sales Share by Application
(2013-2018)

7.4.2 Asia-Pacific Perovskite Solar Cells Revenue and Revenue Share by Application
(2013-2018)

8 SOUTH AMERICA PEROVSKITE SOLAR CELLS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America Perovskite Solar Cells Sales, Revenue and Market Share by
Countries

8.1.1 South America Perovskite Solar Cells Sales by Countries (2013-2018)

8.1.2 South America Perovskite Solar Cells Revenue by Countries (2013-2018)

- 8.1.3 Brazil Perovskite Solar Cells Sales and Growth Rate (2013-2018)
- 8.1.4 Argentina Perovskite Solar Cells Sales and Growth Rate (2013-2018)
- 8.1.5 Colombia Perovskite Solar Cells Sales and Growth Rate (2013-2018)
- 8.2 South America Perovskite Solar Cells Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 8.2.1 South America Perovskite Solar Cells Sales by Manufacturers (2016-2017)
 - 8.2.2 South America Perovskite Solar Cells Revenue by Manufacturers (2016-2017)
- 8.3 South America Perovskite Solar Cells Sales, Revenue and Market Share by Type (2013-2018)
 - 8.3.1 South America Perovskite Solar Cells Sales and Sales Share by Type (2013-2018)
 - 8.3.2 South America Perovskite Solar Cells Revenue and Revenue Share by Type (2013-2018)
- 8.4 South America Perovskite Solar Cells Sales, Revenue and Market Share by Application (2013-2018)
 - 8.4.1 South America Perovskite Solar Cells Sales and Sales Share by Application (2013-2018)
 - 8.4.2 South America Perovskite Solar Cells Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA PEROVSKITE SOLAR CELLS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 9.1 Middle East and Africa Perovskite Solar Cells Sales, Revenue and Market Share by Countries
 - 9.1.1 Middle East and Africa Perovskite Solar Cells Sales by Countries (2013-2018)
 - 9.1.2 Middle East and Africa Perovskite Solar Cells Revenue by Countries (2013-2018)
 - 9.1.3 Saudi Arabia Perovskite Solar Cells Sales and Growth Rate (2013-2018)
 - 9.1.4 UAE Perovskite Solar Cells Sales and Growth Rate (2013-2018)
 - 9.1.5 Egypt Perovskite Solar Cells Sales and Growth Rate (2013-2018)
 - 9.1.6 Nigeria Perovskite Solar Cells Sales and Growth Rate (2013-2018)
 - 9.1.7 South Africa Perovskite Solar Cells Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa Perovskite Solar Cells Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 9.2.1 Middle East and Africa Perovskite Solar Cells Sales by Manufacturers (2016-2017)
 - 9.2.2 Middle East and Africa Perovskite Solar Cells Revenue by Manufacturers (2016-2017)

9.3 Middle East and Africa Perovskite Solar Cells Sales, Revenue and Market Share by Type (2013-2018)

9.3.1 Middle East and Africa Perovskite Solar Cells Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa Perovskite Solar Cells Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa Perovskite Solar Cells Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa Perovskite Solar Cells Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa Perovskite Solar Cells Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL PEROVSKITE SOLAR CELLS MARKET SEGMENT BY TYPE

10.1 Global Perovskite Solar Cells Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global Perovskite Solar Cells Sales and Market Share by Type (2013-2018)

10.1.2 Global Perovskite Solar Cells Revenue and Market Share by Type (2013-2018)

10.2 Normal Structure Sales Growth and Price

10.2.1 Global Normal Structure Sales Growth (2013-2018)

10.2.2 Global Normal Structure Price (2013-2018)

10.3 Inverted Structure Sales Growth and Price

10.3.1 Global Inverted Structure Sales Growth (2013-2018)

10.3.2 Global Inverted Structure Price (2013-2018)

11 GLOBAL PEROVSKITE SOLAR CELLS MARKET SEGMENT BY APPLICATION

11.1 Global Perovskite Solar Cells Sales Market Share by Application (2013-2018)

11.2 Residential Use Sales Growth (2013-2018)

11.3 Commercial Use Sales Growth (2013-2018)

12 PEROVSKITE SOLAR CELLS MARKET FORECAST (2018-2023)

12.1 Global Perovskite Solar Cells Sales, Revenue and Growth Rate (2018-2023)

12.2 Perovskite Solar Cells Market Forecast by Regions (2018-2023)

12.2.1 North America Perovskite Solar Cells Market Forecast (2018-2023)

12.2.2 Europe Perovskite Solar Cells Market Forecast (2018-2023)

12.2.3 Asia-Pacific Perovskite Solar Cells Market Forecast (2018-2023)

- 12.2.4 South America Perovskite Solar Cells Market Forecast (2018-2023)
- 12.2.5 Middle East and Africa Perovskite Solar Cells Market Forecast (2018-2023)
- 12.3 Perovskite Solar Cells Market Forecast by Type (2018-2023)
 - 12.3.1 Global Perovskite Solar Cells Sales Forecast by Type (2018-2023)
 - 12.3.2 Global Perovskite Solar Cells Market Share Forecast by Type (2018-2023)
- 12.4 Perovskite Solar Cells Market Forecast by Application (2018-2023)
 - 12.4.1 Global Perovskite Solar Cells Sales Forecast by Application (2018-2023)
 - 12.4.2 Global Perovskite Solar Cells Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

- 13.1 Sales Channel
 - 13.1.1 Direct Marketing
 - 13.1.2 Indirect Marketing
 - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

- 15.1 Methodology
- 15.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure Perovskite Solar Cells Picture

Table Product Specifications of Perovskite Solar Cells

Figure Global Perovskite Solar Cells CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global Perovskite Solar Cells CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of Perovskite Solar Cells by Types in 2017

Figure Normal Structure Picture

Table Major Manufacturers of Normal Structure

Figure Inverted Structure Picture

Table Major Manufacturers of Inverted Structure

Figure Perovskite Solar Cells Sales Market Share by Applications in 2017

Figure Residential Use Picture

Figure Commercial Use Picture

Figure United States Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Canada Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Germany Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure France Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure UK Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Russia Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Italy Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure China Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Japan Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Korea Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure India Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria Perovskite Solar Cells Revenue (Value) and Growth Rate (2013-2023)

Table Oxford Photovoltaics Headquarter, Established, Main Business and Finance Overview (2017)

Table Oxford Photovoltaics Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

Table Oxford Photovoltaics Perovskite Solar Cells Product

Table Oxford Photovoltaics Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Oxford Photovoltaics Perovskite Solar Cells Sales Market Share in 2017

Figure Global Oxford Photovoltaics Perovskite Solar Cells Revenue Market Share in 2017

Table Saule Technologies Headquarter, Established, Main Business and Finance Overview (2017)

Table Saule Technologies Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

Table Saule Technologies Perovskite Solar Cells Product

Table Saule Technologies Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Saule Technologies Perovskite Solar Cells Sales Market Share in 2017

Figure Global Saule Technologies Perovskite Solar Cells Revenue Market Share in 2017

Table Dyesol Headquarter, Established, Main Business and Finance Overview (2017)

Table Dyesol Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

Table Dyesol Perovskite Solar Cells Product

Table Dyesol Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Dyesol Perovskite Solar Cells Sales Market Share in 2017

Figure Global Dyesol Perovskite Solar Cells Revenue Market Share in 2017

Table Fraunhofer ISE Headquarter, Established, Main Business and Finance Overview (2017)

Table Fraunhofer ISE Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

Table Fraunhofer ISE Perovskite Solar Cells Product

Table Fraunhofer ISE Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Fraunhofer ISE Perovskite Solar Cells Sales Market Share in 2017

Figure Global Fraunhofer ISE Perovskite Solar Cells Revenue Market Share in 2017

Table FrontMaterials Headquarter, Established, Main Business and Finance Overview

(2017)

Table FrontMaterials Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

Table FrontMaterials Perovskite Solar Cells Product

Table FrontMaterials Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global FrontMaterials Perovskite Solar Cells Sales Market Share in 2017

Figure Global FrontMaterials Perovskite Solar Cells Revenue Market Share in 2017

Table Weihua Solar Headquarter, Established, Main Business and Finance Overview (2017)

Table Weihua Solar Perovskite Solar Cells Production Bases, Sales Regions and Major Competitors

Table Weihua Solar Perovskite Solar Cells Product

Table Weihua Solar Perovskite Solar Cells Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Weihua Solar Perovskite Solar Cells Sales Market Share in 2017

Figure Global Weihua Solar Perovskite Solar Cells Revenue Market Share in 2017

Table Global Perovskite Solar Cells Sales by Manufacturer (2016-2017)

Figure Global Perovskite Solar Cells Sales Market Share by Manufacturer in 2016

Figure Global Perovskite Solar Cells Sales Market Share by Manufacturer in 2017

Table Global Perovskite Solar Cells Revenue by Manufacturer (2016-2017)

Figure Global Perovskite Solar Cells Revenue Market Share by Manufacturer in 2016

Figure Global Perovskite Solar Cells Revenue Market Share by Manufacturer in 2017

Table Global Perovskite Solar Cells Price by Manufacturer (2016-2017)

Figure Top 3 Perovskite Solar Cells Manufacturer (Revenue) Market Share in 2017

Figure Top 6 Perovskite Solar Cells Manufacturer (Revenue) Market Share in 2017

Figure Global Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Global Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Table Global Perovskite Solar Cells Sales by Regions (2013-2018)

Table Global Perovskite Solar Cells Sales Market Share by Regions (2013-2018)

Table Global Perovskite Solar Cells Revenue by Regions (2013-2018)

Figure Global Perovskite Solar Cells Revenue Market Share by Regions in 2013

Figure Global Perovskite Solar Cells Revenue Market Share by Regions in 2017

Figure North America Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure North America Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Figure Europe Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Europe Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Asia-Pacific Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Figure South America Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure South America Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Perovskite Solar Cells Sales and Growth Rate
(2013-2018)

Figure Middle East and Africa Perovskite Solar Cells Revenue and Growth Rate
(2013-2018)

Figure North America Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Table North America Perovskite Solar Cells Sales by Countries (2013-2018)

Table North America Perovskite Solar Cells Sales Market Share by Countries
(2013-2018)

Figure North America Perovskite Solar Cells Sales Market Share by Countries in 2013

Figure North America Perovskite Solar Cells Sales Market Share by Countries in 2017

Table North America Perovskite Solar Cells Revenue by Countries (2013-2018)

Table North America Perovskite Solar Cells Revenue Market Share by Countries
(2013-2018)

Figure North America Perovskite Solar Cells Revenue Market Share by Countries in
2013

Figure North America Perovskite Solar Cells Revenue Market Share by Countries in
2017

Figure United States Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Canada Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Mexico Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Table North America Perovskite Solar Cells Sales by Manufacturer (2016-2017)

Figure North America Perovskite Solar Cells Sales Market Share by Manufacturer in
2016

Figure North America Perovskite Solar Cells Sales Market Share by Manufacturer in
2017

Table North America Perovskite Solar Cells Revenue by Manufacturer (2016-2017)

Figure North America Perovskite Solar Cells Revenue Market Share by Manufacturer in
2016

Figure North America Perovskite Solar Cells Revenue Market Share by Manufacturer in
2017

Table North America Perovskite Solar Cells Sales by Type (2013-2018)

Table North America Perovskite Solar Cells Sales Share by Type (2013-2018)

Table North America Perovskite Solar Cells Revenue by Type (2013-2018)

Table North America Perovskite Solar Cells Revenue Share by Type (2013-2018)

Table North America Perovskite Solar Cells Sales by Application (2013-2018)

Table North America Perovskite Solar Cells Sales Share by Application (2013-2018)

Table North America Perovskite Solar Cells Revenue by Application (2013-2018)

Table North America Perovskite Solar Cells Revenue Share by Application (2013-2018)
Figure Europe Perovskite Solar Cells Revenue and Growth Rate (2013-2018)
Table Europe Perovskite Solar Cells Sales by Countries (2013-2018)
Table Europe Perovskite Solar Cells Sales Market Share by Countries (2013-2018)
Table Europe Perovskite Solar Cells Revenue by Countries (2013-2018)
Figure Europe Perovskite Solar Cells Revenue Market Share by Countries in 2016
Figure Europe Perovskite Solar Cells Revenue Market Share by Countries in 2017
Figure Germany Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure UK Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure France Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Russia Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Italy Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Table Europe Perovskite Solar Cells Sales by Manufacturer (2016-2017)
Figure Europe Perovskite Solar Cells Sales Market Share by Manufacturer in 2016
Figure Europe Perovskite Solar Cells Sales Market Share by Manufacturer in 2017
Table Europe Perovskite Solar Cells Revenue by Manufacturer (2016-2017)
Figure Europe Perovskite Solar Cells Revenue Market Share by Manufacturer in 2016
Figure Europe Perovskite Solar Cells Revenue Market Share by Manufacturer in 2017
Table Europe Perovskite Solar Cells Sales by Type (2013-2018)
Table Europe Perovskite Solar Cells Sales Share by Type (2013-2018)
Table Europe Perovskite Solar Cells Revenue by Type (2013-2018)
Table Europe Perovskite Solar Cells Revenue Share by Type (2013-2018)
Table Europe Perovskite Solar Cells Sales by Application (2013-2018)
Table Europe Perovskite Solar Cells Sales Share by Application (2013-2018)
Table Europe Perovskite Solar Cells Revenue by Application (2013-2018)
Table Europe Perovskite Solar Cells Revenue Share by Application (2013-2018)
Figure Asia-Pacific Perovskite Solar Cells Revenue and Growth Rate (2013-2018)
Table Asia-Pacific Perovskite Solar Cells Sales by Countries (2013-2018)
Table Asia-Pacific Perovskite Solar Cells Sales Market Share by Countries (2013-2018)
Figure Asia-Pacific Perovskite Solar Cells Sales Market Share by Countries 2017
Table Asia-Pacific Perovskite Solar Cells Revenue by Countries (2013-2018)
Figure Asia-Pacific Perovskite Solar Cells Revenue Market Share by Countries 2017
Figure China Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Japan Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Korea Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure India Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Southeast Asia Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Table Asia-Pacific Perovskite Solar Cells Sales by Manufacturer (2016-2017)
Figure Asia-Pacific Perovskite Solar Cells Sales Market Share by Manufacturer in 2016

Figure Asia-Pacific Perovskite Solar Cells Sales Market Share by Manufacturer in 2017

Table Asia-Pacific Perovskite Solar Cells Revenue by Manufacturer (2016-2017)

Figure Asia-Pacific Perovskite Solar Cells Revenue Market Share by Manufacturer in 2016

Figure Asia-Pacific Perovskite Solar Cells Revenue Market Share by Manufacturer in 2017

Table Asia-Pacific Perovskite Solar Cells Sales by Type (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Sales Share by Type (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Revenue by Type (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Revenue Share by Type (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Sales by Application (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Sales Share by Application (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Revenue by Application (2013-2018)

Table Asia-Pacific Perovskite Solar Cells Revenue Share by Application (2013-2018)

Figure South America Perovskite Solar Cells Revenue and Growth Rate (2013-2018)

Table South America Perovskite Solar Cells Sales by Countries (2013-2018)

Table South America Perovskite Solar Cells Sales Market Share by Countries (2013-2018)

Figure South America Perovskite Solar Cells Sales Market Share by Countries in 2017

Table South America Perovskite Solar Cells Revenue by Countries (2013-2018)

Table South America Perovskite Solar Cells Revenue Market Share by Countries (2013-2018)

Figure South America Perovskite Solar Cells Revenue Market Share by Countries in 2017

Figure Brazil Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Argentina Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Figure Colombia Perovskite Solar Cells Sales and Growth Rate (2013-2018)

Table South America Perovskite Solar Cells Sales by Manufacturer (2016-2017)

Figure South America Perovskite Solar Cells Sales Market Share by Manufacturer in 2016

Figure South America Perovskite Solar Cells Sales Market Share by Manufacturer in 2017

Table South America Perovskite Solar Cells Revenue by Manufacturer (2016-2017)

Figure South America Perovskite Solar Cells Revenue Market Share by Manufacturer in 2016

Figure South America Perovskite Solar Cells Revenue Market Share by Manufacturer in 2017

Table South America Perovskite Solar Cells Sales by Type (2013-2018)

Table South America Perovskite Solar Cells Sales Share by Type (2013-2018)

Table South America Perovskite Solar Cells Revenue by Type (2013-2018)
Table South America Perovskite Solar Cells Revenue Share by Type (2013-2018)
Table South America Perovskite Solar Cells Sales by Application (2013-2018)
Table South America Perovskite Solar Cells Sales Share by Application (2013-2018)
Table South America Perovskite Solar Cells Revenue by Application (2013-2018)
Table South America Perovskite Solar Cells Revenue Share by Application (2013-2018)
Figure Middle East and Africa Perovskite Solar Cells Revenue and Growth Rate (2013-2018)
Table Middle East and Africa Perovskite Solar Cells Sales by Countries (2013-2018)
Table Middle East and Africa Perovskite Solar Cells Sales Market Share by Countries (2013-2018)
Figure Middle East and Africa Perovskite Solar Cells Sales Market Share by Countries in 2017
Table Middle East and Africa Perovskite Solar Cells Revenue by Countries (2013-2018)
Table Middle East and Africa Perovskite Solar Cells Revenue Market Share by Countries (2013-2018)
Figure Middle East and Africa Perovskite Solar Cells Revenue Market Share by Countries in 2013
Figure Middle East and Africa Perovskite Solar Cells Revenue Market Share by Countries in 2017
Figure Saudi Arabia Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure UAE Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Egypt Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure Nigeria Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Figure South Africa Perovskite Solar Cells Sales and Growth Rate (2013-2018)
Table Middle East and Africa Perovskite Solar Cells Sales by Manufacturer (2016-2017)
Figure Middle East and Africa Perovskite Solar Cells Sales Market Share by Manufacturer in 2016
Figure Middle East and Africa Perovskite Solar Cells Sales Market Share by Manufacturer in 2017
Table Middle East and Africa Perovskite Solar Cells Revenue by Manufacturer (2016-2017)
Figure Middle East and Africa Perovskite Solar Cells Revenue Market Share by Manufacturer in 2016
Figure Middle East and Africa Perovskite Solar Cells Revenue Market Share by Manufacturer in 2017
Table Middle East and Africa Perovskite Solar Cells Sales by Type (2013-2018)
Table Middle East and Africa Perovskite Solar Cells Sales Share by Type (2013-2018)
Table Middle East and Africa Perovskite Solar Cells Revenue by Type (2013-2018)

Table Middle East and Africa Perovskite Solar Cells Revenue Share by Type
(2013-2018)

Table Middle East and Africa Perovskite Solar Cells Sales by Application (2013-2018)

Table Middle East and Africa Perovskite Solar Cells Sales Share by Application
(2013-2018)

Table Middle East and Africa Perovskite Solar Cells Revenue by Application
(2013-2018)

Table Middle East and Africa Perovskite Solar Cells Revenue Share by Application
(2013-2018)

Table Global Perovskite Solar Cells Sales by Type (2013-2018)

Table Global Perovskite Solar Cells Sales Share by Type (2013-2018)

Table Global Perovskite Solar Cells Revenue by Type (2013-2018)

Table Global Perovskite Solar Cells Revenue Share by Type (2013-2018)

Figure Global Normal Structure Sales Growth (2013-2018)

Figure Global Normal Structure Price (2013-2018)

Figure Global Inverted Structure Sales Growth (2013-2018)

Figure Global Inverted Structure Price (2013-2018)

Table Global Perovskite Solar Cells Sales by Application (2013-2018)

Table Global Perovskite Solar Cells Sales Share by Application (2013-2018)

Figure Global Residential Use Sales Growth (2013-2018)

Figure Global Commercial Use Sales Growth (2013-2018)

Figure Global Perovskite Solar Cells Sales, Revenue and Growth Rate (2018-2023)

Table Global Perovskite Solar Cells Sales Forecast by Regions (2018-2023)

Table Global Perovskite Solar Cells Market Share Forecast by Regions (2018-2023)

Figure North America Sales Perovskite Solar Cells Market Forecast (2018-2023)

Figure Europe Sales Perovskite Solar Cells Market Forecast (2018-2023)

Figure Asia-Pacific Sales Perovskite Solar Cells Market Forecast (2018-2023)

Figure South America Sales Perovskite Solar Cells Market Forecast (2018-2023)

Figure Middle East and Africa Sales Perovskite Solar Cells Market Forecast
(2018-2023)

Table Global Perovskite Solar Cells Sales Forecast by Type (2018-2023)

Table Global Perovskite Solar Cells Market Share Forecast by Type (2018-2023)

Table Global Perovskite Solar Cells Sales Forecast by Application (2018-2023)

Table Global Perovskite Solar Cells Market Share Forecast by Application (2018-2023)

Table Distributors/Traders/ Dealers List

I would like to order

Product name: Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa)
Perovskite Solar Cells Market 2018, Forecast to 2023

Product link: <https://marketpublishers.com/r/GB19DCF3707EN.html>

Price: US\$ 4,880.00 (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 <https://marketpublishers.com/r/GB19DCF3707EN.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

