

Photovoltaic System - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/P10C94B98D0EN.html>

Date: July 2018

Pages: 178

Price: US\$ 4,150.00 (Single User License)

ID: P10C94B98D0EN

Abstracts

According to Statistics MRC, the Global Photovoltaic System Market is anticipated to grow with CAGR of 19.50% during the forecast period. Factors such as Government renewable targets and rise in Demand for Solar Systems are influencing the growth of Photovoltaic System Market. On the flipside, high installation and storage costs restrict the growth of the market.

Photovoltaic Systems are authentic, secure and easy to install as they convert sunlight into electricity. They play important role in the power/energy system. Their demand made high efficient and affordable solar photovoltaic technologies, which has resulted in widespread research and development of various technologies including organic solar cells, dye sensitized solar cells.

On the basis of Application, Organic PV is inert for electrical conductivity due to the presence of strong covalent bonds. Their operating mechanism is used for generating electro statically bound electron-hole pair in organic solar cells instead of free charges. Methodologies that are used in organic solar cells include quantum mechanical theories for charge transfer excitations, application to density functional theory (DFT) methods in charge transfer excitations etc. By geography, North American market is expected to surpass the other regions market due to the government significant preference on solar energy in the country's renewable energy mix.

Some of the Key players in Photovoltaic System market are Yingli Green, United Solar Ovonic, Trina Solar, Sharp, Schott Solar, Motech, Mitsubishi Heavy, Kyocera, Hanwha Solarone, First Solar, Evergreen Solar, China Sunergy, Canadian Solar, Bp Solar, Bosch Solar, SolarWorld AG, Sunpower Corporation, JA Solar Holdings, Hanwha Q CELLS and Tata Power Solar Systems Ltd.

Components Covered:

Optics

Trackers

Cells

Types Covered:

Organic PV

Inorganic PV

Applications Covered:

Utility

Residential

Non-Residential

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Application Analysis
- 3.6 Threats
- 3.7 Emerging Markets
- 3.8 Futuristic Market Scenario

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL PHOTOVOLTAIC SYSTEM MARKET, BY COMPONENT

5.1 Introduction

5.2 Optics

5.3 Trackers

5.4 Cells

5.3.1 Crystalline Silicon PV Cells

5.3.1.1 Monocrystalline Silicon PV Cells

5.3.1.2 Multicrystalline Silicon PV Cells

5.3.2 Thin Film PV Cells

5.3.2.1 Uother Thin Film PV Cells

5.3.2.2 Ucopper indium (Gallium) Diselenide (Cis Or Cigs) Thin Film PV Cells

5.3.2.3 Cadmium Telluride (CDTE) Thin Film PV Cells

5.3.2.4 Amorphous Silicon (A-Si) Thin Film PV Cells

6 GLOBAL PHOTOVOLTAIC SYSTEM MARKET, BY TYPE

6.1 Introduction

6.2 Organic PV

6.3 Inorganic PV

7 GLOBAL PHOTOVOLTAIC SYSTEM MARKET, BY APPLICATION

7.1 Introduction

7.2 Utility

7.2.1 Power Plants Applications

7.2.2 Military & Space Applications

7.3 Residential

7.4 Non-Residential

8 GLOBAL PHOTOVOLTAIC SYSTEM MARKET, BY GEOGRAPHY

8.1 Introduction

8.2 North America

8.2.1 US

8.2.2 Canada

8.2.3 Mexico

8.3 Europe

8.3.1 Germany

8.3.2 UK

- 8.3.3 Italy
- 8.3.4 France
- 8.3.5 Spain
- 8.3.6 Rest of Europe
- 8.4 Asia Pacific
 - 8.4.1 Japan
 - 8.4.2 China
 - 8.4.3 India
 - 8.4.4 Australia
 - 8.4.5 New Zealand
 - 8.4.6 South Korea
 - 8.4.7 Rest of Asia Pacific
- 8.5 South America
 - 8.5.1 Argentina
 - 8.5.2 Brazil
 - 8.5.3 Chile
 - 8.5.4 Rest of South America
- 8.6 Middle East & Africa
 - 8.6.1 Saudi Arabia
 - 8.6.2 UAE
 - 8.6.3 Qatar
 - 8.6.4 South Africa
 - 8.6.5 Rest of Middle East & Africa

9 KEY DEVELOPMENTS

- 9.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 9.2 Acquisitions & Mergers
- 9.3 New Product Launch
- 9.4 Expansions
- 9.5 Other Key Strategies

10 COMPANY PROFILING

- 10.1 Yingli Green
- 10.2 United Solar Ovonic
- 10.3 Trina Solar
- 10.4 Sharp Corporation
- 10.5 Schott Solar

- 10.6 Motech
- 10.7 Mitsubishi Heavy
- 10.8 Kyocera
- 10.9 Hanwha Solarone
- 10.10 First Solar
- 10.11 Evergreen Solar
- 10.12 China Sunergy
- 10.13 Canadian Solar
- 10.14 Bp Solar
- 10.15 Bosch Solar
- 10.16 SolarWorld AG
- 10.17 Sunpower Corporation
- 10.18 JA Solar Holdings
- 10.19 Hanwha Q CELLS
- 10.20 Tata Power Solar Systems Ltd.

List Of Tables

LIST OF TABLES

Table 1 Global Photovoltaic System Market Outlook, By Region (2016-2026) (\$MN)

Table 2 Global Photovoltaic System Market Outlook, By Component (2016-2026) (\$MN)

Table 3 Global Photovoltaic System Market Outlook, By Optics (2016-2026) (\$MN)

Table 4 Global Photovoltaic System Market Outlook, By Trackers (2016-2026) (\$MN)

Table 5 Global Photovoltaic System Market Outlook, By Cells (2016-2026) (\$MN)

Table 6 Global Photovoltaic System Market Outlook, By Crystalline Silicon PV Cells (2016-2026) (\$MN)

Table 7 Global Photovoltaic System Market Outlook, By Thin Film PV Cells (2016-2026) (\$MN)

Table 8 Global Photovoltaic System Market Outlook, By Type (2016-2026) (\$MN)

Table 9 Global Photovoltaic System Market Outlook, By Organic PV (2016-2026) (\$MN)

Table 10 Global Photovoltaic System Market Outlook, By Inorganic PV (2016-2026) (\$MN)

Table 11 Global Photovoltaic System Market Outlook, By Application (2016-2026) (\$MN)

Table 12 Global Photovoltaic System Market Outlook, By Utility (2016-2026) (\$MN)

Table 13 Global Photovoltaic System Market Outlook, By Power Plants Applications (2016-2026) (\$MN)

Table 14 Global Photovoltaic System Market Outlook, By Military & Space Applications (2016-2026) (\$MN)

Table 15 Global Photovoltaic System Market Outlook, By Residential (2016-2026) (\$MN)

Table 16 Global Photovoltaic System Market Outlook, By Non-Residential (2016-2026) (\$MN)

Table 17 North America Photovoltaic System Market Outlook, By Country (2016-2026) (\$MN)

Table 18 North America Photovoltaic System Market Outlook, By Component (2016-2026) (\$MN)

Table 19 North America Photovoltaic System Market Outlook, By Optics (2016-2026) (\$MN)

Table 20 North America Photovoltaic System Market Outlook, By Trackers (2016-2026) (\$MN)

Table 21 North America Photovoltaic System Market Outlook, By Cells (2016-2026) (\$MN)

Table 22 North America Photovoltaic System Market Outlook, By Crystalline Silicon PV

Cells (2016-2026) (\$MN)

Table 23 North America Photovoltaic System Market Outlook, By Thin Film PV Cells (2016-2026) (\$MN)

Table 24 North America Photovoltaic System Market Outlook, By Type (2016-2026) (\$MN)

Table 25 North America Photovoltaic System Market Outlook, By Organic PV (2016-2026) (\$MN)

Table 26 North America Photovoltaic System Market Outlook, By Inorganic PV (2016-2026) (\$MN)

Table 27 North America Photovoltaic System Market Outlook, By Application (2016-2026) (\$MN)

Table 28 North America Photovoltaic System Market Outlook, By Utility (2016-2026) (\$MN)

Table 29 North America Photovoltaic System Market Outlook, By Power Plants Applications (2016-2026) (\$MN)

Table 30 North America Photovoltaic System Market Outlook, By Military & Space Applications (2016-2026) (\$MN)

Table 31 North America Photovoltaic System Market Outlook, By Residential (2016-2026) (\$MN)

Table 32 North America Photovoltaic System Market Outlook, By Non-Residential (2016-2026) (\$MN)

Table 33 Europe Photovoltaic System Market Outlook, By Country (2016-2026) (\$MN)

Table 34 Europe Photovoltaic System Market Outlook, By Component (2016-2026) (\$MN)

Table 35 Europe Photovoltaic System Market Outlook, By Optics (2016-2026) (\$MN)

Table 36 Europe Photovoltaic System Market Outlook, By Trackers (2016-2026) (\$MN)

Table 37 Europe Photovoltaic System Market Outlook, By Cells (2016-2026) (\$MN)

Table 38 Europe Photovoltaic System Market Outlook, By Crystalline Silicon PV Cells (2016-2026) (\$MN)

Table 39 Europe Photovoltaic System Market Outlook, By Thin Film PV Cells (2016-2026) (\$MN)

Table 40 Europe Photovoltaic System Market Outlook, By Type (2016-2026) (\$MN)

Table 41 Europe Photovoltaic System Market Outlook, By Organic PV (2016-2026) (\$MN)

Table 42 Europe Photovoltaic System Market Outlook, By Inorganic PV (2016-2026) (\$MN)

Table 43 Europe Photovoltaic System Market Outlook, By Application (2016-2026) (\$MN)

Table 44 Europe Photovoltaic System Market Outlook, By Utility (2016-2026) (\$MN)

Table 45 Europe Photovoltaic System Market Outlook, By Power Plants Applications (2016-2026) (\$MN)

Table 46 Europe Photovoltaic System Market Outlook, By Military & Space Applications (2016-2026) (\$MN)

Table 47 Europe Photovoltaic System Market Outlook, By Residential (2016-2026) (\$MN)

Table 48 Europe Photovoltaic System Market Outlook, By Non-Residential (2016-2026) (\$MN)

Table 49 Asia Pacific Photovoltaic System Market Outlook, By Country (2016-2026) (\$MN)

Table 50 Asia Pacific Photovoltaic System Market Outlook, By Component (2016-2026) (\$MN)

Table 51 Asia Pacific Photovoltaic System Market Outlook, By Optics (2016-2026) (\$MN)

Table 52 Asia Pacific Photovoltaic System Market Outlook, By Trackers (2016-2026) (\$MN)

Table 53 Asia Pacific Photovoltaic System Market Outlook, By Cells (2016-2026) (\$MN)

Table 54 Asia Pacific Photovoltaic System Market Outlook, By Crystalline Silicon PV Cells (2016-2026) (\$MN)

Table 55 Asia Pacific Photovoltaic System Market Outlook, By Thin Film PV Cells (2016-2026) (\$MN)

Table 56 Asia Pacific Photovoltaic System Market Outlook, By Type (2016-2026) (\$MN)

Table 57 Asia Pacific Photovoltaic System Market Outlook, By Organic PV (2016-2026) (\$MN)

Table 58 Asia Pacific Photovoltaic System Market Outlook, By Inorganic PV (2016-2026) (\$MN)

Table 59 Asia Pacific Photovoltaic System Market Outlook, By Application (2016-2026) (\$MN)

Table 60 Asia Pacific Photovoltaic System Market Outlook, By Utility (2016-2026) (\$MN)

Table 61 Asia Pacific Photovoltaic System Market Outlook, By Power Plants Applications (2016-2026) (\$MN)

Table 62 Asia Pacific Photovoltaic System Market Outlook, By Military & Space Applications (2016-2026) (\$MN)

Table 63 Asia Pacific Photovoltaic System Market Outlook, By Residential (2016-2026) (\$MN)

Table 64 Asia Pacific Photovoltaic System Market Outlook, By Non-Residential (2016-2026) (\$MN)

Table 65 South America Photovoltaic System Market Outlook, By Country (2016-2026) (\$MN)

Table 66 South America Photovoltaic System Market Outlook, By Component (2016-2026) (\$MN)

Table 67 South America Photovoltaic System Market Outlook, By Optics (2016-2026) (\$MN)

Table 68 South America Photovoltaic System Market Outlook, By Trackers (2016-2026) (\$MN)

Table 69 South America Photovoltaic System Market Outlook, By Cells (2016-2026) (\$MN)

Table 70 South America Photovoltaic System Market Outlook, By Crystalline Silicon PV Cells (2016-2026) (\$MN)

Table 71 South America Photovoltaic System Market Outlook, By Thin Film PV Cells (2016-2026) (\$MN)

Table 72 South America Photovoltaic System Market Outlook, By Type (2016-2026) (\$MN)

Table 73 South America Photovoltaic System Market Outlook, By Organic PV (2016-2026) (\$MN)

Table 74 South America Photovoltaic System Market Outlook, By Inorganic PV (2016-2026) (\$MN)

Table 75 South America Photovoltaic System Market Outlook, By Application (2016-2026) (\$MN)

Table 76 South America Photovoltaic System Market Outlook, By Utility (2016-2026) (\$MN)

Table 77 South America Photovoltaic System Market Outlook, By Power Plants Applications (2016-2026) (\$MN)

Table 78 South America Photovoltaic System Market Outlook, By Military & Space Applications (2016-2026) (\$MN)

Table 79 South America Photovoltaic System Market Outlook, By Residential (2016-2026) (\$MN)

Table 80 South America Photovoltaic System Market Outlook, By Non-Residential (2016-2026) (\$MN)

Table 81 Middle East & Africa Photovoltaic System Market Outlook, By Country (2016-2026) (\$MN)

Table 82 Middle East & Africa Photovoltaic System Market Outlook, By Component (2016-2026) (\$MN)

Table 83 Middle East & Africa Photovoltaic System Market Outlook, By Optics (2016-2026) (\$MN)

Table 84 Middle East & Africa Photovoltaic System Market Outlook, By Trackers (2016-2026) (\$MN)

Table 85 Middle East & Africa Photovoltaic System Market Outlook, By Cells

(2016-2026) (\$MN)

Table 86 Middle East & Africa Photovoltaic System Market Outlook, By Crystalline Silicon PV Cells (2016-2026) (\$MN)

Table 87 Middle East & Africa Photovoltaic System Market Outlook, By Thin Film PV Cells (2016-2026) (\$MN)

Table 88 Middle East & Africa Photovoltaic System Market Outlook, By Type (2016-2026) (\$MN)

Table 89 Middle East & Africa Photovoltaic System Market Outlook, By Organic PV (2016-2026) (\$MN)

Table 90 Middle East & Africa Photovoltaic System Market Outlook, By Inorganic PV (2016-2026) (\$MN)

Table 91 Middle East & Africa Photovoltaic System Market Outlook, By Application (2016-2026) (\$MN)

Table 92 Middle East & Africa Photovoltaic System Market Outlook, By Utility (2016-2026) (\$MN)

Table 93 Middle East & Africa Photovoltaic System Market Outlook, By Power Plants Applications (2016-2026) (\$MN)

Table 94 Middle East & Africa Photovoltaic System Market Outlook, By Military & Space Applications (2016-2026) (\$MN)

Table 95 Middle East & Africa Photovoltaic System Market Outlook, By Residential (2016-2026) (\$MN)

Table 96 Middle East & Africa Photovoltaic System Market Outlook, By Non-Residential (2016-2026) (\$MN)

I would like to order

Product name: Photovoltaic System - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/P10C94B98D0EN.html>

Price: US\$ 4,150.00 (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/P10C94B98D0EN.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