

# Global Alternative Photovoltaic Solar Cell Technologies Market Outlook (2014-2022)

<https://marketpublishers.com/r/G3569AD8C1CEN.html>

Date: July 2015

Pages: 87

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

ID: G3569AD8C1CEN

## Abstracts

The Global Alternative Photovoltaic Solar Cell Technologies market is estimated at \$16.24 billion in 2014 and is expected to reach \$38.25 billion by 2022 growing at a CAGR of 11.30% from 2014-2022. Increase in demand for energy, Environmental concerns, Low operating and maintenance cost are some of the factors influencing the growth of the Market. Cost of electricity is high than other source, is restraining the growth of the market. The growth of the market lies in Space solar power generation and in remote regions.

Global Alternative Photovoltaic Solar Cell Technologies market is segmented by Technologies and by Geography. Based on Technologies, market is segmented into Second-Generation Photovoltaics and Third-Generation Photovoltaics. Second-Generation Photovoltaics is further classified into Cadmium-Telluride (Cdte), Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS), Gallium arsenide (GaAs) and Amorphous Silicon (A-Si). Third-Generation Photovoltaics is further categorized into Multi-junction photo-voltaics, Organic/plastic photovoltaics and Concentrating photovoltaics. Market by geography is segmented into North America, Europe, Asia Pacific and Rest of the World. Europe has the largest market for Alternative Photovoltaic Solar Cell Technologies and followed by Asia Pacific.

The Key players in the market include Sony Corp., Ibm Research, First Solar Inc., Rsi (Reel Solar Inc.), Global Solar Energy Inc., Plextronics Inc., Solarmer Energy Inc., Belectric Opv Gmbh, Powerfilm Inc. and Microlink Devices Inc.

## 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 8 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 Research Scope
- 2.3 Research Methodology
- 2.4 Research Sources

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats

### **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 ALTERNATIVE PHOTOVOLTAIC SOLAR CELL TECHNOLOGIES MARKET, BY TECHNOLOGIES**

- 5.1 Second-Generation Photovoltaics
  - 5.1.1 Cadmium-Telluride (Cdte)
  - 5.1.2 Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS)
  - 5.1.3 Gallium arsenide (GaAs)
  - 5.1.4 Amorphous Silicon (A-Si)
- 5.2 Third-Generation Photovoltaics
  - 5.2.1 Multi-junction photo-voltaics
  - 5.2.2 Organic/plastic photovoltaics
  - 5.2.3 Concentrating photovoltaics

## **6 GLOBAL ALTERNATIVE PHOTOVOLTAIC SOLAR CELL TECHNOLOGIES MARKET, BY GEOGRAPHY**

### 6.1 North America

6.1.1 US

6.1.2 Canada

### 6.2 Europe

6.2.1 Germany

6.2.2 France

6.2.3 Italy

6.2.4 UK

6.2.5 Spain

### 6.3 Asia Pacific

6.3.1 Japan

6.3.2 China

6.3.3 India

6.3.4 Australia

6.3.5 Newzealand

6.3.6 Rest of Asia

### 6.4 Rest of the World

6.4.1 Latin America

6.4.2 Middle East

6.4.3 Africa

6.4.4 Others

## **7 KEY DEVELOPMENTS**

7.1 Agreements, Partnerships, Collaborations and Joint Ventures

7.2 Acquisitions & Mergers

7.3 New Product Launch

7.4 Expansions

7.5 Other Key Strategies

## **8 COMPANY PROFILING**

8.1 Sony Corp.

8.2 Ibm Research

8.3 First Solar Inc.

- 8.4 Rsi (Reel Solar Inc.)
- 8.5 Global Solar Energy Inc.
- 8.6 Plextronics Inc.
- 8.7 Solarmer Energy Inc.
- 8.8 Belectric Opv Gmbh
- 8.9 Powerfilm Inc.
- 8.10 Microlink Devices Inc.

## List Of Tables

### LIST OF TABLES

- 1 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Technologies (2012-2022) (\$MN)
- 2 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Second-Generation Photovoltaics (2012-2022) (\$MN)
- 3 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Cadmium-Telluride (Cdte) (2012-2022) (\$MN)
- 4 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS) (2012-2022) (\$MN)
- 5 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Gallium arsenide (GaAs) (2012-2022) (\$MN)
- 6 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Amorphous Silicon (A-Si) (2012-2022) (\$MN)
- 7 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Third-Generation Photovoltaics (2012-2022) (\$MN)
- 8 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Multi-junction photo-voltaics (2012-2022) (\$MN)
- 9 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Organic/plastic photovoltaics (2012-2022) (\$MN)
- 10 Global Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Concentrating photovoltaics (2012-2022) (\$MN)
- 11 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Technologies (2012-2022) (\$MN)
- 12 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Second-Generation Photovoltaics (2012-2022) (\$MN)
- 13 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Cadmium-Telluride (Cdte) (2012-2022) (\$MN)
- 14 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS) (2012-2022) (\$MN)
- 15 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Gallium arsenide (GaAs) (2012-2022) (\$MN)
- 16 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Amorphous Silicon (A-Si) (2012-2022) (\$MN)
- 17 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Third-Generation Photovoltaics (2012-2022) (\$MN)

- 18 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Multi-junction photo-voltaics (2012-2022) (\$MN)
- 19 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Organic/plastic photovoltaics (2012-2022) (\$MN)
- 20 North America Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Concentrating photovoltaics (2012-2022) (\$MN)
- 21 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Technologies (2012-2022) (\$MN)
- 22 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Second-Generation Photovoltaics (2012-2022) (\$MN)
- 23 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Cadmium-Telluride (Cdte) (2012-2022) (\$MN)
- 24 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS) (2012-2022) (\$MN)
- 25 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Gallium arsenide (GaAs) (2012-2022) (\$MN)
- 26 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Amorphous Silicon (A-Si) (2012-2022) (\$MN)
- 27 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Third-Generation Photovoltaics (2012-2022) (\$MN)
- 28 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Multi-junction photo-voltaics (2012-2022) (\$MN)
- 29 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Organic/plastic photovoltaics (2012-2022) (\$MN)
- 30 Europe Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Concentrating photovoltaics (2012-2022) (\$MN)
- 31 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Technologies (2012-2022) (\$MN)
- 32 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Second-Generation Photovoltaics (2012-2022) (\$MN)
- 33 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Cadmium-Telluride (Cdte) (2012-2022) (\$MN)
- 34 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS) (2012-2022) (\$MN)
- 35 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Gallium arsenide (GaAs) (2012-2022) (\$MN)
- 36 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Amorphous Silicon (A-Si) (2012-2022) (\$MN)

- 37 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Third-Generation Photovoltaics (2012-2022) (\$MN)
- 38 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Multi-junction photo-voltaics (2012-2022) (\$MN)
- 39 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Organic/plastic photovoltaics (2012-2022) (\$MN)
- 40 Asia Pacific Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Concentrating photovoltaics (2012-2022) (\$MN)
- 41 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Technologies (2012-2022) (\$MN)
- 42 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Second-Generation Photovoltaics (2012-2022) (\$MN)
- 43 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Cadmium-Telluride (Cdte) (2012-2022) (\$MN)
- 44 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Copper indium diselenide/copper indium gallium diselenide (CIS/CIGS) (2012-2022) (\$MN)
- 45 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Gallium arsenide (GaAs) (2012-2022) (\$MN)
- 46 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Amorphous Silicon (A-Si) (2012-2022) (\$MN)
- 47 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Third-Generation Photovoltaics (2012-2022) (\$MN)
- 48 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Multi-junction photo-voltaics (2012-2022) (\$MN)
- 49 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Organic/plastic photovoltaics (2012-2022) (\$MN)
- 50 Rest of the World Alternative Photovoltaic Solar Cell Technologies Market Outlook, By Concentrating photovoltaics (2012-2022) (\$MN)



## I would like to order

Product name: Global Alternative Photovoltaic Solar Cell Technologies Market Outlook (2014-2022)

Product link: <https://marketpublishers.com/r/G3569AD8C1CEN.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](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/G3569AD8C1CEN.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