

Solar Cell Film Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014-2025

<https://marketpublishers.com/r/SC42F2032C5EN.html>

Date: February 2017

Pages: 0

Price: US\$ 3,619.00 (Single User License)

ID: SC42F2032C5EN

Abstracts

Solar cell films are also known as thin film solar cells. Solar cells are deposited with one or more thin layers or films of photovoltaic material onto a substrate, such as plastic or metal. Solar cell films are used because of their low thickness, high absorption, low diffusion length, high recombination velocity, cost-efficiency, simple & sophisticated deposition techniques, and most importantly, because of their compatibility with solar energy devices. The global solar cell film market is expected to grow at a CAGR of 11.6% from 2017 to 2025.

The global solar cell films market is segmented based on component type, connectivity, end-use, and geography. Based on component type, the market is divided into cadmium telluride (CDTE), amorphous silicon (A-Si), and copper indium gallium diselenide. Connectivity-based classification consists of on-grid and off-grid markets. According to end-use, the market is categorized into residential, commercial, and utility markets. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Solar cell films help in reducing carbon footprints, which in turn is anticipated to increase the demand for solar cell films during the forecast period.

Government support in the form of incentives and subsidies to promote clean energy is projected to

increase the market demand for solar cell films in the forecast period.

Growing demand for sustainable energy is fostering market growth of the solar cell films during the forecast period.

Restraints:

Low efficiency of second generation photovoltaic (PV) systems are projected to hamper growth of the solar cell films market.

Lack of awareness about the benefits of solar energy is expected to result in a slowdown of the solar cell film market during the forecast period.

MARKET PLAYERS:

The top players in the global solar cell films market include Heliatek GmbH, Dunmore Corporation, 3M Co., Advanced Energy Industries, Inc., First Solar, Inc., Lucent CleanEnergy, Stion Corporation, Solar Frontier K.K., Kaneka Corporation, and Hanergy Holding Group Ltd.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Component Type

Cadmium Telluride (CDTE)

Amorphous Silicon (A-Si)

Copper Indium Gallium Diselenide

By Connectivity

On-grid

Off-grid

By End-use

Residential

Commercial

Utility

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

Argentina

Rest of LAMEA

Contents

1. EXECUTIVE SUMMARY

- 1.1. Key Findings
- 1.2. Market Attractiveness and Trend analysis
- 1.3. Competitive Landscape and recent industry development analysis

2. INTRODUCTION

- 2.1. Report Description
- 2.2. Scope and Definitions
- 2.3. Research Methodology

3. MARKET LANDSCAPE

- 3.1. Growth Drivers
 - 3.1.1. Impact Analysis
- 3.2. Restraints and Challenges
 - 3.2.1. Impact Analysis
- 3.3. Porter's Analysis
 - 3.3.1. Bargaining power of buyers
 - 3.3.2. Bargaining power of suppliers
 - 3.3.3. Threat of substitutes
 - 3.3.4. Industry rivalry
 - 3.3.5. Threat of new entrants
- 3.4. Global Solar Cell Films Market Shares Analysis, 2014-2025
 - 3.4.1. Global solar cell films market share by component type, 2014-2025
 - 3.4.2. Global solar cell films market share by connectivity, 2014-2025
 - 3.4.3. Global solar cell films market share by end-use, 2014-2025
 - 3.4.4. Global solar cell films market share by geography, 2014-2025

4. MARKET BY COMPONENT TYPE

- 4.1. Cadmium Telluride (CDTE)
 - 4.1.1. Historical Market Size by Region, 2014-2016
 - 4.1.2. Market Forecast by Region, 2017-2025
- 4.2. Amorphous Silicon (A-Si)
 - 4.2.1. Historical Market Size by Region, 2014-2016

- 4.2.2. Market Forecast by Region, 2017-2025
- 4.3. Copper Indium Gallium Diselenide
 - 4.3.1. Historical Market Size by Region, 2014-2016
 - 4.3.2. Market Forecast by Region, 2017-2025

5. MARKET BY CONNECTIVITY

- 5.1. On-grid
 - 5.1.1. Historical Market Size by Region, 2014-2016
 - 5.1.2. Market Forecast by Region, 2017-2025
- 5.2. Off-grid
 - 5.2.1. Historical Market Size by Region, 2014-2016
 - 5.2.2. Market Forecast by Region, 2017-2025

6. MARKET BY END-USE

- 6.1. Residential
 - 6.1.1. Historical Market Size by Region, 2014-2016
 - 6.1.2. Market Forecast by Region, 2017-2025
- 6.2. Commercial
 - 6.2.1. Historical Market Size by Region, 2014-2016
 - 6.2.2. Market Forecast by Region, 2017-2025
- 6.3. Utility
 - 6.3.1. Historical Market Size by Region, 2014-2016
 - 6.3.2. Market Forecast by Region, 2017-2025

7. MARKET BY GEOGRAPHY

- 7.1. North America
 - 7.1.1. Historical Market Size, 2014-2016
 - 7.1.2. Market Forecast, 2017-2025
 - 7.1.3. U.S.
 - 7.1.3.1. Historical Market Size, 2014-2016
 - 7.1.3.2. Market Forecast, 2017-2025
 - 7.1.4. Canada
 - 7.1.4.1. Historical Market Size, 2014-2016
 - 7.1.4.2. Market Forecast, 2017-2025
 - 7.1.5. Mexico
 - 7.1.5.1. Historical Market Size, 2014-2016

7.1.5.2. Market Forecast, 2017-2025

7.2. Europe

7.2.1. Historical Market Size, 2014-2016

7.2.2. Market Forecast, 2017-2025

7.2.3. UK

7.2.3.1. Historical Market Size, 2014-2016

7.2.3.2. Market Forecast, 2017-2025

7.2.4. Germany

7.2.4.1. Historical Market Size, 2014-2016

7.2.4.2. Market Forecast, 2017-2025

7.2.5. France

7.2.5.1. Historical Market Size, 2014-2016

7.2.5.2. Market Forecast, 2017-2025

7.2.6. Spain

7.2.6.1. Historical Market Size, 2014-2016

7.2.6.2. Market Forecast, 2017-2025

7.2.7. Italy

7.2.7.1. Historical Market Size, 2014-2016

7.2.7.2. Market Forecast, 2017-2025

7.2.8. Rest of Europe

7.2.8.1. Historical Market Size, 2014-2016

7.2.8.2. Market Forecast, 2017-2025

7.3. Asia-Pacific

7.3.1. Historical Market Size, 2014-2016

7.3.2. Market Forecast, 2017-2025

7.3.3. China

7.3.3.1. Historical Market Size, 2014-2016

7.3.3.2. Market Forecast, 2017-2025

7.3.4. Japan

7.3.4.1. Historical Market Size, 2014-2016

7.3.4.2. Market Forecast, 2017-2025

7.3.5. India

7.3.5.1. Historical Market Size, 2014-2016

7.3.5.2. Market Forecast, 2017-2025

7.3.6. Australia

7.3.6.1. Historical Market Size, 2014-2016

7.3.6.2. Market Forecast, 2017-2025

7.3.7. South Korea

7.3.7.1. Historical Market Size, 2014-2016

- 7.3.7.2. Market Forecast, 2017-2025
- 7.3.8. Rest of Asia-Pacific
 - 7.3.8.1. Historical Market Size, 2014-2016
 - 7.3.8.2. Market Forecast, 2017-2025
- 7.4. LAMEA
 - 7.4.1. Historical Market Size, 2014-2016
 - 7.4.2. Market Forecast, 2017-2025
 - 7.4.3. Brazil
 - 7.4.3.1. Historical Market Size, 2014-2016
 - 7.4.3.2. Market Forecast, 2017-2025
 - 7.4.4. South Africa
 - 7.4.4.1. Historical Market Size, 2014-2016
 - 7.4.4.2. Market Forecast, 2017-2025
 - 7.4.5. Saudi Arabia
 - 7.4.5.1. Historical Market Size, 2014-2016
 - 7.4.5.2. Market Forecast, 2017-2025
 - 7.4.6. Rest of LAMEA
 - 7.4.6.1. Historical Market Size, 2014-2016
 - 7.4.6.2. Market Forecast, 2017-2025

8. COMPANY PROFILES

- 8.1. Heliatek GmbH
 - 8.1.1. Overview
 - 8.1.2. Financials and business segments
 - 8.1.3. Recent Developments
- 8.2. Dunmore Corporation
 - 8.2.1. Overview
 - 8.2.2. Financials and business segments
 - 8.2.3. Recent Developments
- 8.3. 3M Co.
 - 8.3.1. Overview
 - 8.3.2. Financials and business segments
 - 8.3.3. Recent Developments
- 8.4. Advanced Energy Industries, Inc.
 - 8.4.1. Overview
 - 8.4.2. Financials and business segments
 - 8.4.3. Recent Developments
- 8.5. First Solar, Inc.

- 8.5.1. Overview
- 8.5.2. Financials and business segments
- 8.5.3. Recent Developments
- 8.6. Lucent CleanEnergy
 - 8.6.1. Overview
 - 8.6.2. Financials and business segments
 - 8.6.3. Recent Developments
- 8.7. Stion Corporation
 - 8.7.1. Overview
 - 8.7.2. Financials and business segments
 - 8.7.3. Recent Developments
- 8.8. Solar Frontier K.K.
 - 8.8.1. Overview
 - 8.8.2. Financials and business segments
 - 8.8.3. Recent Developments
- 8.9. Kaneka Corporation
 - 8.9.1. Overview
 - 8.9.2. Financials and business segments
 - 8.9.3. Recent Developments
- 8.10. Hanergy Holding Group Ltd.
 - 8.10.1. Overview
 - 8.10.2. Financials and business segments
 - 8.10.3. Recent Developments

List Of Tables

LIST OF TABLES

Table 1. Solar Cell Films Market Share, by Component Type, 2014-2025, \$million

Table 2. Solar Cell Films Market Share, by Connectivity, 2014-2025, \$million

Table 3. Solar Cell Films Market Share, by End-use, 2014-2025, \$million

Table 4. Solar Cell Films Market Share, by Region, 2014-2025, \$million

Table 5. Solar Cell Films Market Value for Cadmium Telluride (CDTE), by Region, 2017-2025, \$million

Table 6. Solar Cell Films Market Value for Amorphous Silicon (A-Si), by Region, 2017-2025, \$million

Table 7. Solar Cell Films Market Value for Copper Indium Gallium Diselenide, by Region, 2017-2025, \$million

Table 8. Solar Cell Films Market Value for On-grid, by Region, 2017-2025, \$million

Table 9. Solar Cell Films Market Value for Off-grid, by Region, 2017-2025, \$million

Table 10. Solar Cell Films Market Value for Residential, by Region, 2017-2025, \$million

Table 11. Solar Cell Films Market Value for Commercial, by Region, 2017-2025, \$million

Table 12. Solar Cell Films Market Value for Utility, by Region, 2017-2025, \$million

Table 13. Solar Cell Films Market Value for North America, by Country, 2014-2025, \$million

Table 14. Solar Cell Films Market Value for North America, by Component Type, 2014-2025, \$million

Table 15. Solar Cell Films Market Value for North America, by Connectivity, 2014-2025, \$million

Table 16. Solar Cell Films Market Value for North America, by End-use, 2014-2025, \$million

Table 17. Solar Cell Films Market Value for Europe, by Country, 2014-2025, \$million

Table 18. Solar Cell Films Market Value for Europe, by Component Type, 2014-2025, \$million

Table 19. Solar Cell Films Market Value for Europe, by Connectivity, 2014-2025, \$million

Table 20. Solar Cell Films Market Value for Europe, by End-use, 2014-2025, \$million

Table 21. Solar Cell Films Market Value for Asia-Pacific, by Country, 2014-2025, \$million

Table 22. Solar Cell Films Market Value for Asia-Pacific, by Component Type, 2014-2025, \$million

Table 23. Solar Cell Films Market Value for Asia-Pacific, by Connectivity, 2014-2025,

\$million

Table 24. Solar Cell Films Market Value for Asia-Pacific, by End-use, 2014-2025,

\$million

Table 25. Solar Cell Films Market Value for LAMEA, by Country, 2014-2025, \$million

Table 26. Solar Cell Films Market Value for LAMEA, by Component Type, 2014-2025,

\$million

Table 27. Solar Cell Films Market Value for LAMEA, by Connectivity, 2014-2025,

\$million

Table 28. Solar Cell Films Market Value for LAMEA, by End-use, 2014-2025, \$million

Table 29. Heliatek GmbH - Company Snapshot

Table 30. Dunmore Corporation - Company Snapshot

Table 31. 3M Co. - Company Snapshot

Table 32. Advanced Energy Industries, Inc. - Company Snapshot

Table 33. First Solar, Inc. - Company Snapshot

Table 34. Lucent CleanEnergy - Company Snapshot

Table 35. Stion Corporation - Company Snapshot

Table 36. Solar Frontier K. K. - Company Snapshot

Table 37. Kaneka Corporation - Company Snapshot

Table 38. Hanergy Holding Group Ltd. - Company Snapshot

List Of Figures

LIST OF FIGURES

- Figure 1. Solar Cell Films: Cadmium Telluride (CDTE) Market Value, 2014-2016, \$million
- Figure 2. Solar Cell Films: Amorphous Silicon (A-Si) Market Value, 2014-2016, \$million
- Figure 3. Solar Cell Films: Copper Indium Gallium Diselenide Market Value, 2014-2016, \$million
- Figure 4. Solar Cell Films: On-grid Market Value, 2014-2016, \$million
- Figure 5. Solar Cell Films: Off-grid Market Value, 2014-2016, \$million
- Figure 6. Solar Cell Films: Residential Market Value, 2014-2016, \$million
- Figure 7. Solar Cell Films: Commercial Market Value, 2014-2016, \$million
- Figure 8. Solar Cell Films: Utility Market Value, 2014-2016, \$million
- Figure 9. Solar Cell Films: U.S. Market Value, 2014-2016, \$million
- Figure 10. Solar Cell Films: U.S. Market Value, 2017-2025, \$million
- Figure 11. Solar Cell Films: Canada Market Value, 2014-2016, \$million
- Figure 12. Solar Cell Films: Canada Market Value, 2017-2025, \$million
- Figure 13. Solar Cell Films: Mexico Market Value, 2014-2016, \$million
- Figure 14. Solar Cell Films: Mexico Market Value, 2017-2025, \$million
- Figure 15. Solar Cell Films: UK Market Value, 2014-2016, \$million
- Figure 16. Solar Cell Films: UK Market Value, 2017-2025, \$million
- Figure 17. Solar Cell Films: Germany Market Value, 2014-2016, \$million
- Figure 18. Solar Cell Films: Germany Market Value, 2017-2025, \$million
- Figure 19. Solar Cell Films: France Market Value, 2014-2016, \$million
- Figure 20. Solar Cell Films: France Market Value, 2017-2025, \$million
- Figure 21. Solar Cell Films: Spain Market Value, 2014-2016, \$million
- Figure 22. Solar Cell Films: Spain Market Value, 2017-2025, \$million
- Figure 23. Solar Cell Films: Italy Market Value, 2014-2016, \$million
- Figure 24. Solar Cell Films: Italy Market Value, 2017-2025, \$million
- Figure 25. Solar Cell Films: Rest of Europe Market Value, 2014-2016, \$million
- Figure 26. Solar Cell Films: Rest of Europe Market Value, 2017-2025, \$million
- Figure 27. Solar Cell Films: China Market Value, 2014-2016, \$million
- Figure 28. Solar Cell Films: China Market Value, 2017-2025, \$million
- Figure 29. Solar Cell Films: Japan Market Value, 2014-2016, \$million
- Figure 30. Solar Cell Films: Japan Market Value, 2017-2025, \$million
- Figure 31. Solar Cell Films: India Market Value, 2014-2016, \$million
- Figure 32. Solar Cell Films: India Market Value, 2017-2025, \$million
- Figure 33. Solar Cell Films: Australia Market Value, 2014-2016, \$million

- Figure 34. Solar Cell Films: Australia Market Value, 2017-2025, \$million
Figure 35. Solar Cell Films: South Korea Market Value, 2014-2016, \$million
Figure 36. Solar Cell Films: South Korea Market Value, 2017-2025, \$million
Figure 37. Solar Cell Films: Rest of Asia-Pacific Market Value, 2014-2016, \$million
Figure 38. Solar Cell Films: Rest of Asia-Pacific Market Value, 2017-2025, \$million
Figure 39. Solar Cell Films: Brazil Market Value, 2014-2016, \$million
Figure 40. Solar Cell Films: Brazil Market Value, 2017-2025, \$million
Figure 41. Solar Cell Films: Saudi Arabia Market Value, 2014-2016, \$million
Figure 42. Solar Cell Films: Saudi Arabia Market Value, 2017-2025, \$million
Figure 43. Solar Cell Films: South Africa Market Value, 2014-2016, \$million
Figure 44. Solar Cell Films: South Africa Market Value, 2017-2025, \$million
Figure 45. Solar Cell Films: Rest of LAMEA Market Value, 2014-2016, \$million
Figure 46. Solar Cell Films: Rest of LAMEA Market Value, 2017-2025, \$million

COMPANIES MENTIONED

The top players in the global solar cell films market include Heliatek GmbH, Dunmore Corporation, 3M Co., Advanced Energy Industries, Inc., First Solar, Inc., Lucent CleanEnergy, Stion Corporation, Solar Frontier K.K., Kaneka Corporation, and Hanergy Holding Group Ltd.

I would like to order

Product name: Solar Cell Film Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014-2025

Product link: <https://marketpublishers.com/r/SC42F2032C5EN.html>

Price: US\$ 3,619.00 (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/SC42F2032C5EN.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