

# CONCENTRATED PHOTOVOLTAIC AND SOLAR PHOTOVOLTAIC GLOBAL MARKET (2009 - 2014)

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## **MarketsandMarkets Research**

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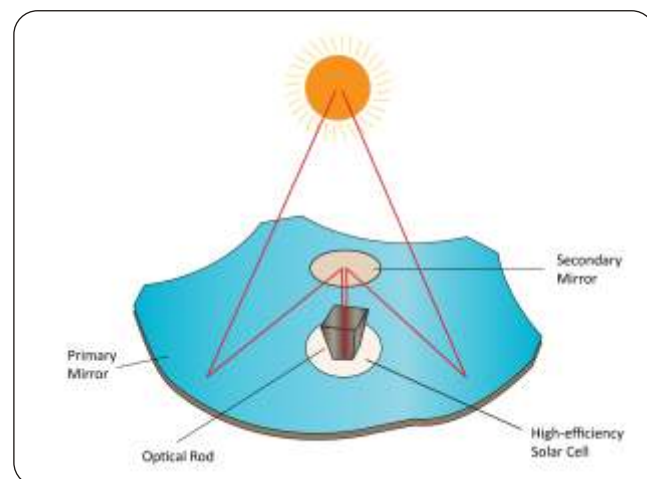


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## Report Description

### Key Take Aways

- To define and measure the global concentrated solar PV market and total solar PV market.
- To analyze the trends and forecasts for the global concentrated solar PV market and its segments.
- To identify the major factors driving and inhibiting the growth of the global concentrated solar PV market and its segments.
- To identify the major stakeholders in the market and draw a competitive landscape for the market leaders
- To analyze the trends and opportunities in major regions, viz. Americas, Europe, Asia and ROW.



### Report Description

The Concentrated Photovoltaic (CPV) market includes the submarkets for Low Concentration Photovoltaic (LCPV), Medium Concentration Photovoltaic (MCPV), and High Concentration Photovoltaic (HCPV). The CPV market is still in a nascent stage, but is developing rapidly due to the finite nature of non-renewable sources of energy, and the increasing demand for higher energy output and green energy. The CPV market is expected to reach \$266.0 million in 2014 from \$63.9 million in 2009.

The global rise in population and industrial automation have significantly increased the demand for electricity. These factors have also increased the pressure on natural resources and the level of greenhouse gas emissions. The CPV market is thus growing rapidly due to increasing environmental concerns and the resultant governmental incentives for green energy.

Although CPV technology still has to contend with issues such as reliability and durability, technology developments have significantly increased the conversion efficiency of CPV systems. With growing investments and large pipeline of projects, the total installed CPV installed capacity is expected to reach 1 GW by 2013.

About the "Concentrated PV and Solar PV market Report"

#### The report segments the global concentrated PV and solar PV market into:

- Concentrated PV products
- Concentrated PV applications
- Concentrated PV technologies
- Solar PV products
- Solar PV applications
- Tracking solutions for CPV and non-CPV technologies

In addition to the market size, data trends, and forecasts, the report also highlights key opportunity areas for the relevant stakeholders. The report profiles the new product launches in the global concentrated PV and solar PV market and submarkets; and also draws a competitive landscape in which it analyzes the key market developments of the top 45 companies in this market and its sub-segments.

## Report Description

### Research Methodology

#### Calculation of the concentrated photovoltaic market size:

- Estimated through price (\$) per watt and produced capacity.
- Verified the prices through primaries with CEO/ VP/ Director Marketing of companies like SolFocus, Semprius, Concentrix Solar, Morgan Solar, and Guascor Solar Corporation.
- Estimated the price change trends (2007-2009) and forecasts (2009-2014) by interviewing manufacturers of HCPV, MCPV and LCP about percent change in prices from 2007 to 2009 and expected percent price changes from 2009 to 2014.
- The figures for the upper-level market are derived by adding up those for the smaller level markets, thus reaching up to the main product market of CPV.

#### Calculation of the solar tracking solutions market size:

- The pricing trend (2004-2009) for single and dual axis trackers has been estimated through secondary and primary research of the industry average of their prices.
- Assumptions on the percentage split between CPV-ready and non-CPV-ready dual axis trackers are based on secondary research and validated through primaries with manufacturers of solar trackers.

#### Calculation of the solar photovoltaic market size:

- Capacity and size of PV market derived from secondary research and validated through primaries.

### Stakeholders

#### The intended audience of this report includes:

- Solar PV cells manufacturers
- Solar power technical consultants
- Solar power equipment manufacturers
- Crystalline silicon suppliers
- Commercial research labs

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Global CPV Market					
	2007	2008	2009	2014	CAGR 2009-2014
Low concentration					
Medium concentration					
High concentration					
<b>Total</b>					

Global CPV Market, by Geography					
	2007	2008	2009	2014	CAGR 2009-2014
Americas					
Europe					
Asia					
ROW					
<b>Total</b>					

Global Solar PV Market					
	2007	2008	2009	2014	CAGR 2009-2014
Crystalline Silicon PV					
Thin-film PV Cells					
Other Thin Film					
<b>Total</b>					

## Sample Tables

Global Solar PV Market, by Applications					
	2007	2008	2009	2014	CAGR 2009-2014
Consumer Products					
Automotive applications					
Space Applications					
Grid-connected power supply					
Residential power supply					
Commercial Lightings					
Water Pumping					
Others					
<b>Total</b>					

Global Low Concentration CPV Market, by Geography					
	2007	2008	2009	2014	CAGR 2009-2014
Americas					
Europe					
Asia					
ROW					
<b>Total</b>					

Global Medium Concentration CPV Market, by Geography					
	2007	2008	2009	2014	CAGR 2009-2014
Americas					
Europe					
Asia					
ROW					
<b>Total</b>					

## Sample Tables

Global High Concentration CPV Market, by Geography					
	2007	2008	2009	2014	CAGR 2009-2014
Americas					
Europe					
Asia					
ROW					
<b>Total</b>					

Global Crystalline Silicon PV Market, by Geography					
	2007	2008	2009	2014	CAGR 2009-2014
Americas					
Europe					
Asia					
ROW					
<b>Total</b>					

Global Thin Film Market, by Geography					
	2007	2008	2009	2014	CAGR 2009-2014
Americas					
Europe					
Asia					
ROW					
<b>Total</b>					

## Key Questions

### The Report Answers The Following Questions

- Which are the high growth segments/cash cows; how is the market segmented in terms of applications, products, services, ingredients, technologies, stakeholders.
- What are market estimates and forecast; which are markets are doing well and which are not?
- Where are the gaps and opportunities; what is driving the market;
- Which are the key playing fields? Which are the winning edge imperatives?
- How is the competitive outlook; who are the main players in each of the segments; what are the key selling products; what are their strategic directives, operational strength and product pipelines? Who is doing what?

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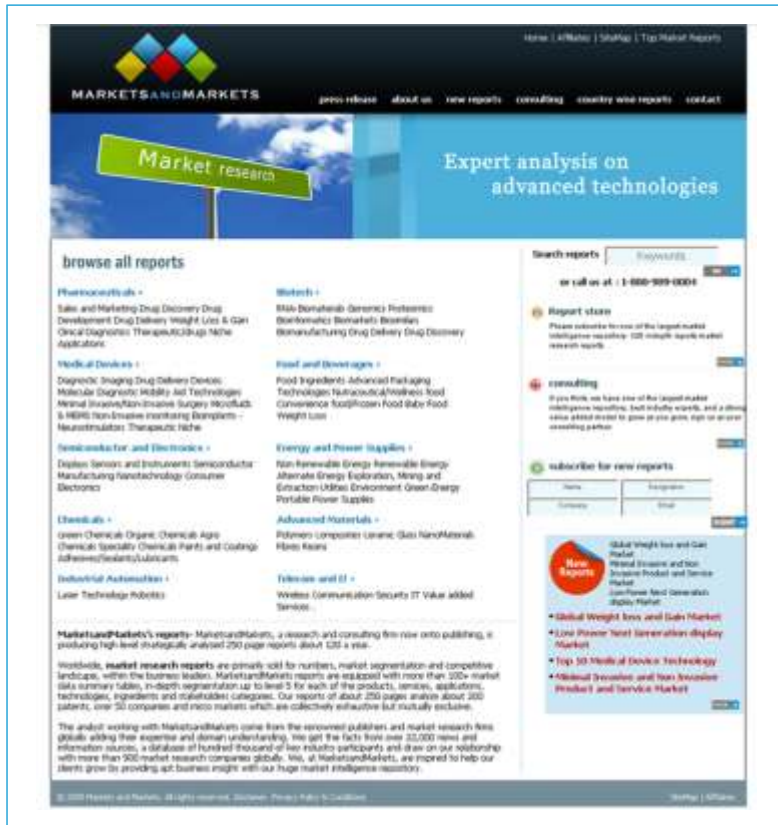
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Report code: EP 1021

Price: \$4650

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Report code: EP 1022

Price: \$4650

### Thin Film PV - Advanced Technologies and Global Market (2009 - 2014)

This report will review current developments in thin-film solar technologies; and will provide a comprehensive coverage of the technology's applications and potential for commercialization. It will also review the competitive landscape and profile key players in the sector.

Report code: EP 1016

Price: \$4650