

Solar PV (Photovoltaic) Cell Market: Potential Opportunities

<https://marketpublishers.com/r/S3C1802EB3CEN.html>

Date: September 2007

Pages: 21

Price: US\$ 900.00 (Single User License)

ID: S3C1802EB3CEN

Abstracts

Rising energy and oil prices, together with increased environmental awareness have led to increased global incentives for solar power. All these initiatives by government is gradually making solar cost competitive and in most cases actually less expensive than retail electricity for the end consumer, which has significantly helped to drive the increase in global solar energy demand.

The ultimate goal of the solar industry is to become cost competitive with traditional forms of electricity generation without any incentives. Incentives are the key to solar industry as they serve as a driver for sales to let producers to reach a scale that is not possible without any government support or involvement.

Among all renewable energy segments, wind accounts for approximately 38% of the overall renewable energy market, the photovoltaic (PV) system is 24%, solar heating devices comprise 21% and others 17% that includes water, biomass and geothermal energy. In comparison to the matured wind energy generating system, the PV system is currently not limited to a defined geographical area. Any PV system can be set up for both industrial and consumer use and in both cities and countries.

Solar PV cell industry is expected to be the most flourishing sub-sector in the alternative energy industry because sunlight can be obtained worldwide without any geological concerns.

The report focuses on the global solar PV cell market – its size, growth rate, drivers, market opportunities, issues, etc. The report also covers the overall solar power market and highlights different processes in the solar energy industry supply chain.

The report profiles some of the major industry players, including their financial information and key business strategies.

Contents

1. INDUSTRY DEFINITION AND NAICS CLASSIFICATION

2. SOLAR POWER: BRIEF INTRODUCTION

- 2.1 Advantages of Solar Energy
- 2.2 Major Solar Energy Markets
 - 2.2.1 USA
 - 2.2.2 Germany
 - 2.2.3 Japan
 - 2.2.4 Spain
 - 2.2.5 Italy
- 2.3 Review of Selected Solar Sector M&A's

3. PROCESSES IN THE SOLAR ENERGY INDUSTRY SUPPLY CHAIN

- 3.1 Solar Grade Silicon
- 3.2 Silicon Ingots and Wafers
- 3.3 Solar Cell
- 3.4 Solar Module
- 3.5 Solar Photovoltaic System

4. NEW TECHNOLOGY DEVELOPMENTS

5. SOLAR CELL MARKET REVIEW

- 5.1 Definition and Breakdown of Manufacturing Process
- 5.2 Types of Solar Cells
- 5.3 Market Overview and Size
- 5.4 Opportunities in the Solar Cell Market
 - 5.4.1 Growing Demand in the US and China
 - 5.4.2 Strong Future Demand of c-Si Based Solar Cell
- 5.5 Growth Drivers
 - 5.5.1 Government Subsidies Driving Growth
- 5.6 Key Issues
 - 5.6.1 Polysilicon Supply

5.6.2 Silicon Efficiency

5.6.3 Silicon Expansion Plans Not Enough to Meet Demand

6. PROFILE OF MAJOR PLAYERS

6.1 E-Ton Solar Tech

6.1.1 Company Overview

6.1.2 Financial Snapshot

6.1.3 Key Strategies

6.2 Motech Industries

6.2.1 Company Overview

6.2.2 Financial Snapshot

6.2.3 Key Strategies

List Of Tables

LIST OF TABLES

Table 1.1: NAICS Classification

Table 2.1: Comparison of Major Electricity Generators

Table 2.2: Major Solar Energy Markets

Table 2.3: Key Southern European Countries: Solar Energy Policies

Table 2.4: Key M&A's in Solar Sector (2006)

Table 2.5: Key IPOs in Solar Sector (2006)

Table 5.1: Solar PV Cell Market Size (2002-06)

Table 5.2: Percentage of PV Cell Market (2002-06)

Table 5.3: Percentage of Different PV Cell Type in 2006

Table 6.1: Comparison of Solar Cell Players

Table 6.2: E-TON Solar Tech: Financial Snapshot

Table 6.3: E-TON Solar Tech: Contract Details

Table 6.4: E-TON Solar Tech: Capacity and Output

Table 6.5: Motech Industries: Financial Snapshot

List Of Figures

LIST OF FIGURES

Figure 5.1: Demand for Photovoltaic by Region

Figure 5.2: Percentage Demand by Solar Cell Type

I would like to order

Product name: Solar PV (Photovoltaic) Cell Market: Potential Opportunities

Product link: <https://marketpublishers.com/r/S3C1802EB3CEN.html>

Price: US\$ 900.00 (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/S3C1802EB3CEN.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