+44 20 8123 2220
info@marketpublishers.com

Analyzing Photoelectrochemical Solar Cells 2017

https://marketpublishers.com/r/A81227500BFEN.html
Date: January 2017
Pages: 70
Price: US$ 500.00 (Single User License)
ID: A81227500BFEN

Abstracts

One of the most striking scientific progression of this century has been the overall acceptance of the need to understand and investigate sustenance for mankind in the future. The more popular thought revolves around beginning from our roots. There are many questions that mankind is endeavoring to answer about its origin, evolution and sustenance in the coming century. The perennial question of balancing energy hungry economies and ensuring to not tip nature's scales too much is usually answered in debated equations. In this process, one of the answers which strives to arrive at a middle path is photoelectrochemical solar cells.

It may be a practice for some to dismiss the environmental concerns in favor of boardroom logic but the writing still remains on the wall; we are running on resources that will run out sooner than we thought. The faster we come up with strategies to fine tune our production models, industrial systems and economic outlooks with solar resources the better are our chances to see business prosper in the coming decades. Syncing with solar resources will definitely take time and investment so financial wisdom will prevail in favor of doing it now when costs are assessable rather than later.

Aruvian Research's white paper on Analyzing Photoelectrochemical Solar Cells strives to present a precise capsule of knowledge aimed at helping businesses take long term strategic decisions. The need for understanding solar resources is immediate as an awesome amount of energy translated into almost 6 kilo watts per square meter arrives by insolation to earth by the sun on any clear day by the hour. This energy is not regulated, it is available for free and only demands investment to tap it commercially. Aruvian Research's white paper explains the potential of photoelectrochemical solar cells to tap solar resources in a practical manner.

This white paper equips the user with a clear and through understanding of photoelectrochemical solar cells beginning with a theoretical ground work of these solar

cells and their fundamental concepts. The various types of solar cells are also elaborated in detail and the groundbreaking application of thin film solar cells is also explained in this white paper. The white paper is also equipped with various diagrammatical and statistical data representations of solar cells in order to deliver a clear understanding of the concepts.

Further, Aruvian Research's white paper on Analyzing Solar Photoelectrochemical solar cells provides a wholesome understanding of this subject by providing an insight on the commercial aspects of solar cells. The measurement of global markets in terms of their achievements in terms of generation and other factors develops a clear map of solar cell application currently forming globally.

This white paper also delivers an additional strategic perspective of the subject by carrying out a PEST analysis of solar cells.

Therefore, Aruvian Research's white paper on Analyzing Photoelectrochemical Solar Cells delivers a triad of theoretical, commercial and strategic perspective of the subject all rolled into one concise format. A decision to read this white paper on part of a strategic thinker at a business may actually result in one of the best value investments on their part. This white paper will address a lot of queries thereby delivering more benefits in a future full of healthy business powered by unlimited resources.

+44 20 8123 2220
info@marketpublishers.com

Contents

A. EXECUTIVE SUMMARY

B. INTRODUCTION TO PHOTOVOLTAICS

B.1 Overview
B.2 Looking at Solar Electricity
B.3 Photovoltaic Systems
B.4 Applications of Solar Cells
B.5 Types of Solar Cells
B.6 Looking at Thin Film Solar Cells

C. GLOBAL MARKET OVERVIEW OF SOLAR PV CELLS

C.1 Market Profile
C.2 Market Size
C.3 Growth Patterns of the Market
C.4 Commercialization Potential & Market Development
C.5 Future of the Market

D. ANALYSIS OF PHOTOELECTROCHEMICAL SOLAR CELLS

D.1 Introduction to Photoelectrochemical Cells
D.2 Types of Photoelectrochemical Solar Cell
D.2.1 Dye Sensitized Solar Cells
D.2.2 Photogeneration Cell

E. MAJOR INDUSTRY PLAYERS

E.1 Dyesol Limited
E.2 G24i Power Ltd.
E.3 Solaronix SA

F. APPENDIX

F.1 PEST Framework Analysis: Global Solar Photovoltaic Industry
F.1.1 Political Aspects
F.1.2 Economic Aspects

+44 20 8123 2220
info@marketpublishers.com

F.1.3 Social Aspects
F.1.4 Technological Aspects

G. GLOSSARY OF TERMS

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1: A Solar Cell Made from a Monocrystalline Silicon Wafer
Figure 2: Installed PV Capacity by Technology
Figure 3: Major Policy Drivers for Solar PV in 2015
Figure 4: Generation Cost of Solar Electricity in Comparison with Other Power Sources
Figure 5: Price Offers for Solar PV and Wind Onshore Power Plants by Countries
Figure 6: Global Solar PV Installed Capacity (in GW), 2000-2015
Figure 7: Total Solar PV Installed Capacity (in GW), 2000-2015
Figure 8: Annual PV Installations by Regions (in Percentage), 2010-2015
Figure 9: Leading 10 Solar PV Markets by Total Installed Share at end-2015 (%)
Figure 10: Contribution of PV to the Electricity Demand in EU 28 in 2015 (in Percentage)
Figure 11: Capacity Additions of Leading 10 Solar PV Markets in Europe (%), 2015 & 2020
Figure 12: Annual Solar PV Market Scenarios till 2020 (in GW)
Figure 13: Total Solar PV Market Scenarios till 2020 (in GW)
Figure 14: Annual Solar PV Industry Shares for High and Low Industry Scenario till 2020 (in GW)
Figure 15: Leading 20 Countries in Solar PV Additions during High and Low Scenarios (in GW), 2016-2020

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1: Module Component Materials Cost for Thin Film Cadmium Telluride Systems

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Analyzing Photoelectrochemical Solar Cells 2017
Product link: https://marketpublishers.com/r/A81227500BFEN.html
Price: US$ 500.00 (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/A81227500BFEN.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

Custumer 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