

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Dye-sensitized Solar Cells (DSSC) Market 2018, Forecast to 2023

<https://marketpublishers.com/r/G9B40244CC8GEN.html>

Date: June 2018

Pages: 152

Price: US\$ 4,880.00 (Single User License)

ID: G9B40244CC8GEN

Abstracts

Dye-sensitized Solar Cells (DSSC) market, A dye-sensitized solar cell (DSSC, DSC, DYSC) is a low-cost solar cell belonging to the group of thin film solar cells. It is based on a semiconductor formed between a photo-sensitized anode and an electrolyte, a photo electrochemical system. The modern version of a dye solar cell, also known as the DSSC, was originally co-invented in 1988 by Brian O'Regan and Michael Grätzel at UC Berkeley and this work was later developed by the aforementioned scientists at the École Polytechnique Fédérale de Lausanne until the publication of the first high efficiency DSSC in 1991. Michael Grätzel has been awarded the 2010 Millennium Technology Prize for this invention.

SCOPE OF THE REPORT:

This report focuses on the Dye-sensitized Solar Cells (DSSC) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Dye-sensitized solar cells are a promising potential replacement for silicon-based solar cells. With advancements in nanostructured semiconductors, high-efficiency sensitizers and robust electrolytes, the performance of modern DSSCs is becoming more and more competitive. Simple processing, low-cost materials and a wide range of applications are all helping DSSCs to find a foothold in the marketplace.

Currently, in terms of the productions, the DSSC has not been entered into the commercial production, most of the companies are focus on the research and little demonstration project, for example, the G24 Power has installed some DSSC in the

MGM Grand Hotel? 8000 Window; the GRENE has about 3000 m2 capacity but it does not have big deal.

The worldwide market for Dye-sensitized Solar Cells (DSSC) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

GRENE

OPV Tech

3G Solar

Fujikura

G24 Power

Nissha

Exeger

Oxford Photovoltaics

Solaronix

Peccell

SolarPrint

Dyesol

Solaris Nanosciences

Jintex

Everlight Chemical

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

TiO₂

SnO₂

ZnO

Nb₂O

Others

Market Segment by Applications, can be divided into

Portable Charging

BIPV/BAPV

Embedded Electronics

Others

There are 15 Chapters to deeply display the global Dye-sensitized Solar Cells (DSSC) market.

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Dye-sensitized Solar Cells...

Chapter 1, to describe Dye-sensitized Solar Cells (DSSC) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Dye-sensitized Solar Cells (DSSC), with sales, revenue, and price of Dye-sensitized Solar Cells (DSSC), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Dye-sensitized Solar Cells (DSSC), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Dye-sensitized Solar Cells (DSSC) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Dye-sensitized Solar Cells (DSSC) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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