

Global Solar Cell Market Size study, By Product (Silicon wafer {Monocrystalline, Multicrystalline}, Thin film {Cadmium telluride (CdTe), Amorphous silica (a-Si), Copper Indium Gallium Selenide (CIGS)}), and Regional Forecasts 2022-2028

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Abstracts

Global Solar Cell Market is valued at approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. A solar cell is also commonly known as a photovoltaic cell. This cell is an electronic device that is highly used for converting light energy into electricity through photovoltaic effect. The rising inclination toward solar PV installations, availability of favorable regulatory scenarios, and increasing demand for sustainable resources over conventional fuels are the several key factors fostering the market demand around the world. For instance, as per Statista, in 2015, the newly installed solar PV capacity globally was estimated to account for 50,600 megawatts, which constantly grows and reached 1,38,200 megawatts by the year 2020. Accordingly, the increasing installation of solar PV is creating a lucrative demand for Solar Cell, which, in turn, accelerates the market growth in the impending years. However, several environmental hazards associated with the manufacturing process and chances of low-performance efficiency are associated with the solar cells which are curbing the market growth over the forecast period of 2022-2028. Also, the increasing technological innovations and growing investments across utility-scale projects are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Solar Cell Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Europe is the leading region across the world in terms of market share owing to the increasing demand for solar cells in commercial and utility sectors, along with the increasing technological

advancements. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the imposition of favorable regulatory policies, as well as, increasing number of PV installations, would create lucrative growth prospects for the Solar Cell Market across the Asia-Pacific region.

Major market players included in this report are:

First Solar, Inc.

Yingli Solar

SunPower Corporation

SunEdison, Inc.

Indosolar Limited

Tata Power Systems Limited

Sharp Corporation

Borg Inc.

SolarWorld AG

GreenBrilliance

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Silicon wafer

Monocrystalline

Multicrystalline

Thin film

Cadmium telluride (CdTe)

Amorphous silica (a-Si)

Copper Indium Gallium Selenide (CIGS)

By Region:

North America

U.S.

Canada

Europe

UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Solar Cell Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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