

Solar Energy Markets

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Abstracts

Report Scope:

The report is a compilation of existing BCC Research reports in the solar energy market. The topics analyzed within the report include a detailed breakdown and analysis of the global markets for solar technologies by geography, technology and application. Additionally, included are a review of the different technologies from second-generation and third-generation solar technologies such as Organic Photovoltaics (OPVs)/Plastic Solar Cells and Multi-junction Photovoltaics (MJPVs) and Concentrating Photovoltaics (CPVs) which are currently in commercial use; and a review of early-stage technologies that are beginning to see transfer from research to commercialization and major factors impelling and impeding the global growth.

The scope of this report extends to sizing of the solar energy market and an analysis of global market trends with market data for solar installations at global level in 2021, which is being considered as the base year, 2022 as the estimate year and forecast for 2027, with a projection of CAGRs from 2022 to 2027. Market data provided in volume is cumulative installed capacity. The report also provides the value in millions of U.S. dollars and which corresponds to the volume presented in this report.

The report focuses on assessment of solar energy technologies and an analysis of companies/manufacturers and the related system providers. Market dynamics such as drivers, restraints, and opportunities are also discussed in the report. The study forecasts the market value of the solar energy market for key technologies such as PV and CSP.

This report covers the technological, economic and business considerations of the solar industry, with analyses and forecasts provided for global markets. Included in the report are descriptions of market forces relevant to the solar industry and their areas of

application.

This report considers the impact of COVID-19. In 2020, the growth rate of manufacturing industries around the world was severely affected by the pandemic. The COVID-19 pandemic halted progress in every regional economy. Various governments around the world are taking necessary measures to contain the economic slowdown.

Report Includes:

86 data tables and 65 additional tables

An up-to-date overview and analysis of the global market for solar power technologies

Analyses of the global and regional market trends with market revenue data for 2021, estimates for 2022, and projections of compound annual growth rates (CAGRs) through 2027

Estimation of the actual market size for solar energy markets in value and volumetric terms, market forecast, and corresponding market share analysis by energy type, technology, application, and geographic region

Discussion of the key market growth drivers, opportunities and restraints in the solar energy industry, regulatory dynamics, manufacturing trends, upcoming technologies, and future trends & innovations

Examination of the industry value chain analysis providing a systematic study of key intermediaries involved, with emphasis on manufacturers, suppliers, and major users of these products

Updated information on key mergers and acquisitions and other strategies in the solar electric power generation market

Analysis of the competitive landscape of the major manufacturers and suppliers of PV modules based on recent developments and segmental revenues

Descriptive company profiles of the leading PV manufacturers, including ABB Power Generation, Canadian Solar Inc., LONGi Green Energy Technology, Jinko Solar, Tata Power Solar, and Trina Solar Co., Ltd.

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3S SWISS SOLAR SOLUTIONS

ACCIONA

ARZON SOLAR (FORMER AMONIX CO.)

ASCENT SOLAR TECHNOLOGIES INC.

CANADIAN SOLAR INC.

COGENTRIX ENERGY LLC

DAQO NEW ENERGY

ENPHASE

FIRST SOLAR INC.

GCL TECHNOLOGY HOLDINGS CO., LTD.

GENERAL ELECTRIC CO.

GREATCELL SOLAR

HANWHA QCELLS

HEMLOCK SEMICONDUCTOR CORP.

HILTI CORP.

HITACHI LTD.

INDOSOLAR LTD.

JA SOLAR PV TECHNOLOGY CO., LTD.

JINKOSOLAR HOLDING CO., LTD.

KACO NEW ENERGY GMBH

KYOCERA CORP.

LONGI GREEN ENERGY TECHNOLOGY CO., LTD.

LUMETA SOLAR

MAGE SUNOVATION GMBH

MIASOLE

MITSUBISHI HEAVY INDUSTRIES LTD.

MOSE SOLAR

MOTECHE INDUSTRIES INC.

OCI SOLAR POWER

ONYX SOLAR ENERGY

RENEWABLE ENERGY CORP. (REC)

SAINT-GOBAIN

SATCON TECHNOLOGY CORP.

SCHNEIDER ELECTRIC

SHARP CORP.

SIEMENS AG

SMA SOLAR TECHNOLOGY AG

SOLAR FACTORY GMBH (SOLAR FABRIK)
SOLAR FRONTIER
SOLARWORLD
STAT KRAFT AS
SUNPOWER CORP.
SUNTECH
SUNTRIX
TATA POWER SOLAR
TRINA SOLAR CO., LTD.
YINGLI SOLAR
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Solar Air Collector
Concentrated Solar Power Company Profiles
Solar Reflective Films
Solar Mirrors
Solar Tube Receivers
Central Tower Receivers
Supporting Equipment: Motors, Drives, Controllers, Hydraulics
Parabolic Trough Solar Collector Assemblies
Fresnel Reflector Solar Collector Assemblies
Parabolic Dishes
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ANTEC SOLAR GMBH
ASCENT SOLAR TECHNOLOGIES INC.
AVANCIS GMBH
FIRST SOLAR INC.
FLISOM AG
HANERGY HOLDING GROUP LTD.
HELIA TEK GMBH
HELIOTROP SAS
KANEKA CORP.
MANZ AG
MIASOLE HI-TECH CORP.
MICROLINK DEVICES INC.
MIDSUMMER AB

NANOSOLAR INC.
ONYX SOLAR ENERGY
OXFORD PHOTOVOLTAICS LTD.
SIVA POWER INC.
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