+357 96 030922
info@marketpublishers.com

Solar EPC Market By Technology (Photovoltaic Solar, Concentrated Solar Power), By Installation Type (Rooftop, Ground Mounted, Floating), By Size (Small (up to 1 MW), Medium (1 to 10 MW), Large (More than 10 MW)), By End-Use (Residential, Commercial and Industrial, Utility): Global Opportunity Analysis and Industry Forecast, 2024 - 2034

https://marketpublishers.com/r/S269A5CED831EN.html
Date: June 2025
Pages: 344
Price: US$ 2,601.00 (Single User License)
ID: S269A5CED831EN

Abstracts

The global solar EPC market was valued at $0.4 trillion in 2024, and is projected to reach $1.2 trillion by 2034, growing at a CAGR of 11.9% from 2025 to 2034.

Solar EPC (Engineering, Procurement, and Construction) is a project delivery model in the solar energy sector where a single contractor is responsible for the entire process of setting up a solar power plant. This includes the detailed design and engineering of the system, procurement of all necessary components like solar panels, inverters, and mounting structures, and construction activities such as installation, testing, and commissioning. The EPC contractor ensures the project is delivered on time, within budget, and in compliance with technical and regulatory standards. This model simplifies execution by offering a single point of accountability, reducing risks for the project owner. Solar EPC services are used in utility-scale, commercial, and residential solar installations worldwide.

The foremost driver of the solar EPC market is the increasing support from governments worldwide through policy frameworks, subsidies, and regulatory incentives. Countries have recognized solar energy as a vital component in the transition to low-carbon economies. Government policies such as tax credits (e.g., the Investment Tax Credit in the U.S.), feed-in tariffs, renewable purchase obligations

(RPOs), and net metering have created a robust demand pipeline for solar projects. Additionally, many nations have committed to ambitious targets under international accords such as the Paris Agreement, thereby mandating accelerated deployment of renewable energy infrastructure. This creates a ripple effect across the value chain?governments approve large-scale solar parks, developers propose more projects, and EPC contractors benefit from increased volumes. In India, for example, schemes like PM-KUSUM and the development of solar parks under SECI (Solar Energy Corporation of India) have led to a surge in EPC opportunities. Moreover, the simplification of tendering processes and viability gap funding have improved project bankability, making the EPC segment more lucrative and competitive. Across the globe, similar dynamics are playing out, reinforcing the critical role of public sector initiatives in stimulating EPC market growth.

Another major driver is the significant reduction in the cost of solar technologies, especially photovoltaic (PV) modules, inverters, and balance-of-system components. These cost reductions have made solar power increasingly competitive with conventional energy sources, even in the absence of subsidies. For EPC companies, this has opened up a broader market of financially viable projects, especially in emerging economies. Advances in solar cell technologies such as PERC (Passivated Emitter and Rear Cell), bifacial modules, and higher efficiency thin films allow EPC firms to deliver more power per unit area, improving project economics. Innovations in energy storage,digital monitoring systems, and grid integration also enhance the performance and reliability of solar plants, making them more attractive to utilities and investors. Additionally, the rise of standardized engineering templates and prefabrication in procurement and construction stages has shortened project timelines and reduced risks, making EPC offerings more predictable and scalable. As technology improves, EPC contractors can design and execute projects with greater precision, ensuring optimal alignment with customer expectations and regulatory norms.

The global solar EPC market is segmented on the basis of technology, installation type, size, end-use, and region. By technology, the market is segmented into photovooltaic solar and concentrated solar power. Depending on installation type, the market is classified into rooftop, ground mounted, and floating. As per size, the market is divided into small (up to 1 MW), medium (1 to 10 MW), and large (more than 10 MW). By end-use, the solar EPC market is segmented into residential, commercial and industrial, and utility. Region-wise, the global EPC market is classfied into North America, Europe, Asia-Pacific, and LAMEA.

The key players analyzed in the report are Jinko Solar Holding Co. Ltd., JA Solar

Holdings Co. Ltd., Hanwha Solutions, First Solar, Inc., Trina Solar Limited., Larsen & Toubro, Canadian Solar, Yingli Green Energy Holding Company Limited, SolarEdge Technologies, Inc., SunPower Corporation.

Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the solar epc market analysis from 2024 to 2034 to identify the prevailing solar epc market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the solar epc market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global solar epc market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

+357 96 030922
info@marketpublishers.com

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Industry life cycle assessment, by region

Installed Base analysis

Investment Opportunities

Upcoming/New Entrant by Regions

Technology Trend Analysis

Patient/epidemiology data at country, region, global level

Regulatory Guidelines

Strategic Recommendations

Additional company profiles with specific to client's interest

+357 96 030922
info@marketpublishers.com

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

SWOT Analysis

Key Market Segments By End-Use

Residential

Commercial and Industrial

Utility

By Technology

Photovoltaic Solar

Concentrated Solar Power

By Installation Type

Rooftop

Ground Mounted

Floating

By Size

+357 96 030922
info@marketpublishers.com

- Small (up to 1 MW)
- Medium (1 to 10 MW)
- Large (More than 10 MW)

By Region

- North America
  - U.S.
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - France
  - Spain
  - Italy
  - Rest of Europe
- Asia-Pacific
  - China
  - India
  - Japan

+357 96 030922
info@marketpublishers.com

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

Jinko Solar Holding Co. Ltd.

JA Solar Holdings Co. Ltd.

Hanwha Solutions

First Solar, Inc.

Trina Solar Limited.

Larsen & Toubro

Canadian Solar

Yingli Green Energy Holding Company Limited

SunPower Corporation

SolarEdge Technologies, Inc.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

CHAPTER 9: COMPETITIVE LANDSCAPE

+357 96 030922
info@marketpublishers.com

CHAPTER 10: COMPANY PROFILES

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Solar EPC Market By Technology (Photovoltaic Solar, Concentrated Solar Power), By Installation Type (Rooftop, Ground Mounted, Floating), By Size (Small (up to 1 MW), Medium (1 to 10 MW), Large (More than 10 MW)), By End-Use (Residential, Commercial and Industrial, Utility): Global Opportunity Analysis and Industry Forecast, 2024 - 2034

Product link: https://marketpublishers.com/r/S269A5CED831EN.html

Price: US$ 2,601.00 (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/S269A5CED831EN.html