

# **Rooftop Solar EPC Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Capacity (Up to 1 kW, 1 to 10 kW, 10 to 50 kW, 50 kW to 1 MW), By End-User (Residential, Commercial and Industrial), By Region & Competition, 2020-2030F**

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## **Abstracts**

### Market Overview

The Global Rooftop Solar EPC Market was valued at USD 16.32 billion in 2024 and is projected to reach USD 23.15 billion by 2030, expanding at a CAGR of 5.84%. This market encompasses the complete suite of Engineering, Procurement, and Construction services for rooftop solar photovoltaic (PV) systems across residential, commercial, industrial, and institutional sectors. EPC contractors play an essential role in facilitating solar adoption by overseeing every stage of a rooftop solar project—ranging from site assessment and system design to procurement, installation, and performance monitoring. The market is being driven by increased awareness of clean energy, government incentives, and the push for sustainable power generation. As countries aim for carbon neutrality, rooftop solar solutions are emerging as a scalable and accessible path to reduce carbon footprints and achieve energy independence.

### Key Market Drivers

#### Government Policies and Incentives

Supportive government policies and incentives are crucial in accelerating the growth of the Rooftop Solar EPC Market. Worldwide, national and regional governments are promoting solar energy to meet long-term carbon neutrality targets. Notable examples include Switzerland's USD 636.3 million subsidy for solar expansion and the United

States' Inflation Reduction Act, which provides generous tax credits to stimulate private solar investments. In India, various state-led programs offer financial support such as interest subsidies, tax benefits through accelerated depreciation, and GST rebates, making solar solutions more cost-effective. Moreover, policies like net metering, feed-in tariffs, and renewable energy mandates foster a conducive regulatory environment. These frameworks reduce investment risks and boost investor confidence, thus encouraging broader deployment of rooftop solar systems.

## Key Market Challenges

### High Upfront Costs and Financing Barriers

The high initial investment required for rooftop solar installations remains a significant obstacle, particularly for households and small enterprises. Although solar systems offer long-term savings and energy autonomy, the costs linked to procuring equipment, securing permits, and integrating with power grids can be prohibitively expensive. This challenge is compounded in developing or financially constrained regions where access to suitable financing models—such as low-interest loans, solar leasing, or government guarantees—is limited. Without these financial mechanisms, potential adopters may hesitate to invest, thereby slowing market growth despite the long-term benefits of rooftop solar.

## Key Market Trends

### Surge on Residential Rooftop Solar Installations Driven by Government Initiatives

Residential rooftop solar installations are witnessing significant growth, largely due to targeted government initiatives. A standout example is India's "Pradhan Mantri Surya Ghar: Muft Bijli Yojana," introduced in 2024 to deliver solar-powered electricity to one crore households, with benefits including 300 free units per month. The scheme's direct subsidies and concessional loans have substantially lowered entry barriers for residential users. Consequently, India added 3.2 GW of rooftop solar capacity in 2024—an 86% rise from the previous year—with residential users contributing 74% of this growth. States like Gujarat, Maharashtra, and Kerala are leading this transition, highlighting the critical role of policy-driven incentives in accelerating residential solar adoption and expanding opportunities for EPC providers.

## Key Market Players

BELECTRIC GmbH

Canadian Solar Inc

CHINT Group

CJR Renewables

UAB Eternia Solar LT

Goldi Solar Pvt Ltd.

Jakson Group

JUWI Group

Mahindra Group

Tata Power Solar Systems Limited

#### Report Scope:

In this report, the Global Rooftop Solar EPC Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Rooftop Solar EPC Market, By Capacity:

Up to 1 kW

1 to 10 kW

10 to 50 kW

50 kW to 1 MW

#### Rooftop Solar EPC Market, By End-User:

Residential

Commercial

Industrial

## Rooftop Solar EPC Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

## South America

Brazil

Argentina

Colombia

## Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies presents in the Global Rooftop Solar EPC Market.

### Available Customizations:

Global Rooftop Solar EPC Market report with the given Market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### Company Information

Detailed analysis and profiling of additional Market players (up to five).

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