

Global Residential Solar PV Module Supply, Demand and Key Producers, 2024-2030

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Abstracts

The global Residential Solar PV Module market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

The industry trend for Residential Solar PV Modules centers around increased efficiency, aesthetics, and smart integration. Manufacturers are focusing on enhancing the efficiency of solar cells to maximize energy output per unit area. Aesthetic considerations involve designing sleek and visually appealing modules to integrate seamlessly with residential architecture. Smart features, such as built-in monitoring and optimization systems, are gaining prominence, providing homeowners with real-time data and control over their solar energy production. The trend also includes advancements in energy storage solutions, enabling greater self-consumption of solar power and promoting resilience in residential energy systems.

Residential Solar PV Module is a photovoltaic panel designed for residential use, converting sunlight into electricity. Typically mounted on rooftops, these modules consist of interconnected solar cells encapsulated in a protective layer. They generate clean and renewable energy for homes, contributing to reduced dependence on conventional power sources and lowering carbon footprints. Residential Solar PV Modules play a crucial role in decentralized energy production, allowing homeowners to harness solar power for their electricity needs, promoting sustainability, and often enabling grid-tied or off-grid solar systems for residential energy independence.

This report studies the global Residential Solar PV Module production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Residential

Solar PV Module, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Residential Solar PV Module that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Residential Solar PV Module total production and demand, 2019-2030, (K Sqm)

Global Residential Solar PV Module total production value, 2019-2030, (USD Million)

Global Residential Solar PV Module production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Sqm)

Global Residential Solar PV Module consumption by region & country, CAGR, 2019-2030 & (K Sqm)

U.S. VS China: Residential Solar PV Module domestic production, consumption, key domestic manufacturers and share

Global Residential Solar PV Module production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Sqm)

Global Residential Solar PV Module production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Sqm)

Global Residential Solar PV Module production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Sqm).

This reports profiles key players in the global Residential Solar PV Module market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Canadian Solar, First Solar, The Solaria Corporation, LG Electronics, SOLAR FRONTIER K.K., SunPower Corporation, Indosolar, VIKRAM SOLAR LTD and JinkoSolar, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Residential Solar PV Module market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sqm) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Residential Solar PV Module Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Residential Solar PV Module Market, Segmentation by Type

On-Grid

Off-Grid

Global Residential Solar PV Module Market, Segmentation by Application

Residential Ground Installation

Residential Roof Installation

Companies Profiled:

Canadian Solar

First Solar

The Solaria Corporation

LG Electronics

SOLAR FRONTIER K.K.

SunPower Corporation

Indosolar

VIKRAM SOLAR LTD

JinkoSolar

Yingli Energy

Zhejiang Yuhui Solar Energy Source

Longi Green Energy Technology

Trina Solar

Shunfeng International Clean Energy

Risen Energy

Motech Industries

Key Questions Answered

1. How big is the global Residential Solar PV Module market?
2. What is the demand of the global Residential Solar PV Module market?
3. What is the year over year growth of the global Residential Solar PV Module market?
4. What is the production and production value of the global Residential Solar PV Module market?
5. Who are the key producers in the global Residential Solar PV Module market?

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