

Middle East Rooftop Solar PV Module Market Size - By Technology (Thin Film, Crystalline Silicon), By Product, Connectivity (On-Grid, Off-Grid), By End-Use, 2024 - 2032

Market Report | 2024-04-10 | 100 pages | Global Market Insights

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Report description:

Middle East Rooftop Solar PV Module Market will observe a CAGR of 7.4% from 2024 to 2032 due to increased joint ventures and networks. Partnerships between regional and international organizations are accelerating the deployment of rooftop solar systems across the Middle East, with government incentives, favorable solar conditions, and pressure to continue to absorb energy production. For instance, in June 2024, Masdar and EDF Group finalized a deal to install a 3MW rooftop solar PV plant at AJ Steel Pipes, a manufacturer and exporter of steel pipes in the UAE. This project builds on its commitment to providing "robust" infrastructure if strong" releases carbon dioxide in the development of a carbon-neutral future.

The design regulations of these partnerships use technical expertise, financial strength, and local market knowledge to overcome challenges, thus facilitating the installation of PV modules on residential, commercial, and industrial rooftops. While energy costs remain a concern in this sector, rooftop solar provides a cost-effective solution to generate clean electricity and reduce reliance on fossil fuels, and the market growth is consolidated through streamlined contracts. They also increase project scalability, efficiency, and sustainability and position the Middle East as a growing hub for solar PV.

Overall Middle East rooftop solar PV module industry size is classified based on technology, product, connectivity, end-use, and region.

The Middle East rooftop solar PV module market revenue from the thin film segment will register a commendable CAGR from 2024 to 2032. Thin-film solar modules offer advantages such as lightweight design, flexibility, and good performance in a wide range of light conditions, making them ideal for rooftop installations in hot, sunny weather throughout the region. Thin film technology offers a practical solution to reduce the dependence on fossil fuels and cost-effectively use solar energy. With improved

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productivity and improved module efficiency, the Middle East thin film PV module market is poised for growth, driven by expansion in residential, commercial, and industrial rooftop solar services.

The polycrystalline segment will witness an appreciable growth from 2024 to 2032. Polycrystalline modules have gained popularity due to their cost-effectiveness, efficiency, and reliability to capture solar energy under local intense sunlight conditions. These modules offer a robust solution for housing, commercial, and industrial installation and provide energy stability while contributing to energy independence in Middle Eastern countries. As the continent is aimed at increasing its renewable energy capacity and achieving sustainability goals, polycrystalline solar PV modules play an important role in diversifying energy mixes and reducing carbon footprints. Market expansion is driven by advances in module technology, competitive pricing, and supportive government policies as it encourages the use of solar energy throughout the region.

Israel Rooftop solar PV module market will exhibit a notable CAGR from 2024 to 2032. With abundant sunlight throughout the year, rooftop solar PV modules are becoming increasingly popular in Israel for residential, commercial, and industrial applications. Supportive government policies, including feed-in fees and incentives, are offered for the installation of solar panels, encouraging greater use of solar PV among homeowners and businesses. Modules offer sustainable solutions to reduce electricity bills, increase energy security, and reduce carbon emissions, in line with Israel's goals of energy independence and environmental sustainability. As technology advances and pricing matches the market moving forward, Israel is a key country in the Middle East rooftop solar PV module market, poised for further growth in renewable energy.

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

1.1 Market definitions

1.2 Base estimates & calculations

1.3 Forecast calculation

1.4 Data sources

1.4.1 Primary

1.4.2 Secondary

1.4.2.1 Paid

1.4.2.2 Public

Chapter 2 Industry Insights

2.1 Industry ecosystem analysis

2.1.1 Vendor matrix

2.2 Regulatory landscape

2.3 Industry impact forces

2.3.1 Growth drivers

2.3.2 Industry pitfalls & challenges

2.4 Growth potential analysis

2.5 Porter's analysis

2.5.1 Bargaining power of suppliers

2.5.2 Bargaining power of buyers

2.5.3 Threat of new entrants

2.5.4 Threat of substitutes

2.6 PESTEL analysis

Chapter 3 Competitive landscape, 2023

3.1 Strategic outlook

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3.2 Innovation & sustainability landscape

Chapter 4 Market Size and Forecast, By Technology, 2019 - 2032 (MW & USD Million)

4.1 Key trends

4.2 Thin film

4.3 Crystalline silicon

Chapter 5 Market Size and Forecast, By Product, 2019 - 2032 (MW & USD Million)

5.1 Key trends

5.2 Monocrystalline

5.3 Polycrystalline

5.4 Cadmium telluride (CdTe)

5.5 Amorphous silicon (A-Si)

5.6 Copper indium gallium di-selenide (CIGS)

Chapter 6 Market Size and Forecast, By Connectivity, 2019 - 2032 (MW & USD Million)

6.1 Key trends

6.2 On-grid

6.3 Off-grid

Chapter 7 Market Size and Forecast, By End-Use, 2019 - 2032 (MW & USD Million)

7.1 Key trends

7.2 Residential

7.3 Commercial & industrial

7.4 Utility

Chapter 8 Market Size and Forecast, By Country, 2019 - 2032 (MW & USD Million)

8.1 Key trends

8.2 Israel

8.3 Saudi Arabia

8.4 UAE

8.5 Jordan

8.6 Oman

8.7 Kuwait

8.8 Turkey

Chapter 9 Company Profiles

9.1 Canadian Solar

9.2 CsunSolarTech

9.3 EMMVEE SOLAR

9.4 GCL-SI

9.5 Hanwha Group

9.6 JA SOLAR Technology Co., Ltd

9.7 JinkoSolar

9.8 LG Electronics

9.9 LONGi

9.10 Motech Industries Inc.

9.11 REC Solar Holdings AS

9.12 RENESOLA

9.13 SunPower Corporation

9.14 Trina Solar

9.15 VIKRAM SOLAR LTD

9.16 Yingli Solar

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