

Global Solar Roof Tiles Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Solar Roof Tiles market size was valued at USD 170.3 million in 2023 and is forecast to a readjusted size of USD 440.5 million by 2030 with a CAGR of 14.5% during review period.

Solar roof tiles, also known as solar shingles or solar slates, are a relatively new green energy technology. For those committed to sustainable energy generation and wanting to have a solar-powered home, solar roof tiles are a worth-considering alternative to solar panels. Solar tiles operate identically to the photovoltaic panels that are already widely used in construction. The primary difference between them lies in their assembly: whereas photovoltaic panels are attached to an existing roof, solar tiles are part of the roof's construction from the start, taking the place of regular tiling.

Global top 5 players of Solar Roof Tiles occupied for 72% of the market, including GAF Energy, Tesla, CertainTeed, Midsummer, GB-Sol. North America is the largest market of Solar Roof Tiles, holding a share over 48%. Then Europe takes over 45%. In terms of type, Monocrystalline Solar Cells share over 93% of the market, while Thin-film Solar Cells 7%. In terms of application Residential Rooftop shares the largest percent of nearly 87%.

The Global Info Research report includes an overview of the development of the Solar Roof Tiles industry chain, the market status of Residential Rooftop (Monocrystalline Solar Cells, Thin-film Solar Cells), Commercial Rooftop (Monocrystalline Solar Cells, Thin-film Solar Cells), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Solar Roof Tiles.

Regionally, the report analyzes the Solar Roof Tiles markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Solar Roof Tiles market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Solar Roof Tiles market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Solar Roof Tiles industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (MW), revenue generated, and market share of different by Type (e.g., Monocrystalline Solar Cells, Thin-film Solar Cells).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Solar Roof Tiles market.

Regional Analysis: The report involves examining the Solar Roof Tiles market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Solar Roof Tiles market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Solar Roof Tiles:

Company Analysis: Report covers individual Solar Roof Tiles manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Solar Roof Tiles. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Residential Rooftop, Commercial Rooftop).

Technology Analysis: Report covers specific technologies relevant to Solar Roof Tiles. It assesses the current state, advancements, and potential future developments in Solar Roof Tiles areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Solar Roof Tiles market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Solar Roof Tiles market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Monocrystalline Solar Cells

Thin-film Solar Cells

Market segment by Application

Residential Rooftop

Commercial Rooftop

Major players covered

GAF Energy

Tesla

CertainTeed

Midsummer

GB-Sol

Luma Solar

SolteQ

SunTegra

Shinto

Solarmass Energy

SunStyle

Autarq

Ennogie

Dyaqua

Meyer Burger

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Solar Roof Tiles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Solar Roof Tiles, with price, sales, revenue and global market share of Solar Roof Tiles from 2019 to 2024.

Chapter 3, the Solar Roof Tiles competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Solar Roof Tiles breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Solar Roof Tiles market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Solar Roof Tiles.

Chapter 14 and 15, to describe Solar Roof Tiles sales channel, distributors, customers, research findings and conclusion.

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