

Solar thermal power generation market prospects



Overview

The Solar Thermal Market grew from USD 6. It is expected to continue growing at a CAGR of 7. According to 6Wresearch internal database and industry insights, the Global Solar Thermal Market was valued at USD 22 Billion in 2024 and is expected to reach USD 32 Billion by 2031, growing at a compound annual growth rate of 7.90% during the forecast period (2025-2031). Increased environmental awareness and government focus on decreasing carbon footprints will fuel product adoption. Increasing solar incentives in addition to positive. Approximately 13 percent of the global heat supply came from renewable energy sources in 2022. This is considerably lower than the share of renewables in electricity generation, which stood at roughly 30 percent in that same year. Image © Mordor Intelligence.

Solar thermal power generation market prospects



Solar Thermal Market Size, Share & Trends , Growth [2032]

Market Drivers Segmentation Regional Analysis Industry Key Players Report Coverage Industry Development "Growing Adoption of Clean Fuel Alternatives Will Cater to Solar Thermal Market Growth" The increasing emphasis on the adoption of clean fuel alternatives with the aim to curb carbon emissions is one of the primary factors driving the growth of the solar thermal market. Solar thermal systems can be deployed for diverse applications, whic... See more on fortunebusinessinsights Base Year: 2018 Study Period: 2015-2026 Forecast Period: 2019-2026 Global Market Insights Inc.

Solar Thermal Market Size, Global Trends 2025-2034

The solar thermal market size crossed USD 16.1 billion in 2024 and is estimated to grow at a CAGR of 9% from 2025 to 2034, driven by rising environmental ...

Concentrated Solar Thermal Power Generation System Market Size

US Concentrated Solar Thermal Power Generation System Market holds around 8% share globally. Hybrid system developments account for approximately 40% of installations across ...

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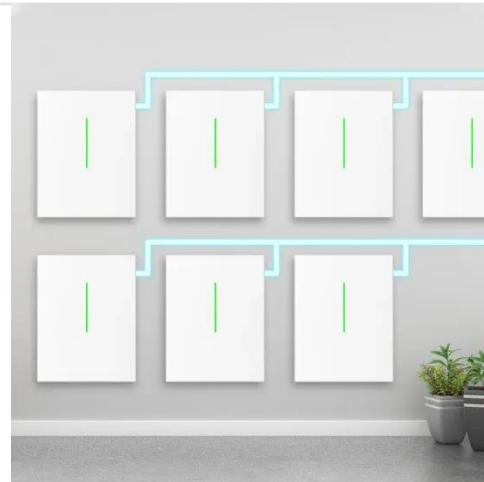


Solar Thermal Market

China, the world's largest market by a large margin, stabilised and had a modest growth of 1% contributed to the growth of the solar thermal market across the world in 2021.

Solar Thermal Market Size, Competitors & Forecast to 2032

It is expected to continue growing at a CAGR of 7.07%, reaching USD 10.89 billion by 2032. The solar thermal landscape has matured beyond early adopter projects and now spans a diverse array of ...



Solar Thermal Market Size, Share & Growth Trends 2031

In 2020, Germany recorded 44 solar



district heating plants with a collector surface of 107,000 sq. m. and a total installed capacity of 75 MW. The most rising trend in the solar thermal ...

Solar Thermal Power System Market Size, Share, Demand

Solar Thermal Power System Market size was valued at USD 8.2 Billion in 2024 and is forecasted to grow at a CAGR of 9.5% from 2026 to 2033, reaching USD 18.6 Billion by 2033. The Solar Thermal ...



Solar Thermal Market Size, Global Trends 2025-2034

The solar thermal market size crossed USD 16.1 billion in 2024 and is estimated to grow at a CAGR of 9% from 2025 to 2034, driven by rising environmental awareness and government efforts to reduce ...

Solar Thermal Market Size, Share & Trends , Growth [2032]

Asia Pacific has dominated the market for solar thermal installations, with a major share being occupied by China. China has witnessed the maximum number of installations in the historical ...



How big is the Solar Thermal Market , Key Drivers & Trends 2025

The key drivers of this growth are an increased demand for sustainable heating solutions, the increasing deployment of concentrated solar power plants, and advances in thermal storage systems, improving ...

Solar thermal energy

Solar thermal energy, which uses solar radiation to heat a fluid, produces direct heat for domestic and industrial applications and plays an important role in the decarbonization of heat



Solar Thermal Market Outlook 2025-2035 , Trends, Growth & Forecast



Explore the global Solar Thermal Market from 2025 to 2035, including key trends, competitive landscape, product insights, pricing, sustainability efforts, and forecast data. Stay ...

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