

Global Thermophotovoltaics Market 2023 by Company, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G56B764676C2EN.html>

Date: March 2023

Pages: 104

Price: US\$ 3,480.00 (Single User License)

ID: G56B764676C2EN

Abstracts

According to our (Global Info Research) latest study, the global Thermophotovoltaics market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Thermophotovoltaics (TPV) is a technology that converts thermal radiation into electricity. TPV cells are made of semiconductor materials that absorb infrared radiation and convert it into electrical power. TPV system consists of four major components: generator, radiator, filter, and TPV cell.

This report is a detailed and comprehensive analysis for global Thermophotovoltaics market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Thermophotovoltaics market size and forecasts, in consumption value (\$ Million), 2018-2029

Global Thermophotovoltaics market size and forecasts by region and country, in consumption value (\$ Million), 2018-2029

Global Thermophotovoltaics market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2018-2029

Global Thermophotovoltaics market shares of main players, in revenue (\$ Million), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Thermophotovoltaics

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Thermophotovoltaics 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 Antora Energy, JX Crystals, II-VI Marlow, Thermo PV and COMSOL, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market segmentation

Thermophotovoltaics market is split by Type and by Application. For the period 2018-2029, the growth among segments provide accurate calculations and forecasts for consumption value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Silicon Photovoltaic Cells

Crystalline Silicon Photovoltaic Cells

Thin-film Photovoltaic Cells

Others

Market segment by Application

Power Plants

Glass Industry

Mobile Power

Market segment by players, this report covers

Antora Energy

JX Crystals

II-VI Marlow

Thermo PV

COMSOL

Exide Technologies

Tesla Energy

General Electric

Curtiss-Wright Nuclear

Vattenfall

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Thermophotovoltaics product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Thermophotovoltaics, with revenue, gross margin and global market share of Thermophotovoltaics from 2018 to 2023.

Chapter 3, the Thermophotovoltaics competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2018 to 2029.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2018 to 2023. and Thermophotovoltaics market forecast, by regions, type and application, with consumption value, from 2024 to 2029.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War

Chapter 12, the key raw materials and key suppliers, and industry chain of Thermophotovoltaics.

Chapter 13, to describe Thermophotovoltaics research findings and conclusion.

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