

Global Thermoelectric Modules Market by Manufacturers, Regions, Type and Application, Forecast to 2023

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Abstracts

A thermoelectric (TE) module, also called a thermoelectric cooler or Peltier cooler, is a semiconductor-based electronic component that functions as a small heat pump. By applying a low voltage DC power source to a TEM, heat will be moved through the module from one side to the other. One module face, therefore, will be cooled while the opposite face simultaneously is heated. It is important to note that this phenomenon is fully reversible whereby a change in the polarity of the applied DC voltage will cause heat to be moved in the opposite direction. Consequently, a TEM may be used for both cooling and heating in a given application.

Scope of the Report:

This report focuses on the Thermoelectric Modules in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The global average price of Thermoelectric Modules is in the decreasing trend, from 22.4 USD/Unit in 2012 to 21.06 USD/Unit in 2016. With the situation of global economy, prices will be in decreasing trend in the following five years.

The classification of Thermoelectric Modules includes Single Stage module and Multistage module. Single Stage module still occupied about 85% market share as its low price. The growth rate of multistage module is faster as it can supply high heat difference.

China region is the largest supplier of Thermoelectric Modules, with a production market share nearly 38.55% in 2016. Rest of Asia is the second largest supplier of

Thermoelectric Modules, enjoying production market share nearly 25.33% in 2016.

North America is the largest consumption place, nose ahead China, with a consumption market share nearly 25.28% in 2016. While all the major regions like North America and APAC will also enjoy a fastest speed in next several years.

The worldwide market for Thermoelectric Modules is expected to grow at a CAGR of roughly 8.2% over the next five years, will reach 730 million US\$ in 2023, from 460 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Ferrotec

Laird

KELK

Marlow

RMT

CUI

Hi-Z

Tellurex

Crystal

P&N Tech

Thermonamic Electronics

Kryo Therm

Wellen Tech

AMS Technologies

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Single Stage Module

Multistage Module

Market Segment by Applications, can be divided into

Automotive

Electronics

Biomedical

Others

There are 15 Chapters to deeply display the global Thermoelectric Modules market.

Chapter 1, to describe Thermoelectric Modules Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Thermoelectric Modules, with sales,

revenue, and price of Thermoelectric Modules, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Thermoelectric Modules, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Thermoelectric Modules market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Thermoelectric Modules sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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