

Global High Performance Thermoelectric Modules (TEM) Market Research Report 2023

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Abstracts

High Performance Thermoelectric Modules (TEM) are made of Bismuth Telluride alloys and are used for many different thermoelectric cooling applications where temperature difference (DT_{max}) requirement is above 65°C. In general these thermoelectric modules have a much higher efficiency and are being used in high-value applications.

According to QYResearch's new survey, global High Performance Thermoelectric Modules (TEM) market is projected to reach US\$ million in 2029, increasing from US\$ million in 2022, with the CAGR of % during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole High Performance Thermoelectric Modules (TEM) market research.

Global Thermoelectric Cooler (TEC) Modules market is projected to reach US\$ 1766.3 million in 2029, increasing from US\$ 838.7 million in 2022, with the CAGR of 11.1% during the period of 2023 to 2029.

Demand from Consumer Electronics and Communication are the major drivers for the industry.

China is the largest market, with a share about 28%, followed by North America and Japan with the share about 23% and 20%.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global High

Performance Thermoelectric Modules (TEM) market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

CUI Devices

TE Technology

Crystal

WAtronix Inc.

Custom Thermoelectric

Laird

FULIANJING

ECOGEN

P&N Tech

Thermonamic Electronics

RMT Ltd

TEC Microsystems GmbH

Yuxiang Electronics

EGOO

Shenzhen Tecooler technology

Segment by Type

Higher Temperature Difference

More Heat Pumping Capacity

Segment by Application

Medical

Aerospace & Defense

Electronics

Industrial

Automotive

Others

Production by Region

North America

Europe

China

Japan

South Korea

Consumption by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The High Performance Thermoelectric Modules (TEM) report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

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