

Global Single Stage Thermoelectric Coolers (TEC) Market Research Report 2023

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Abstracts

Thermoelectric Cooler (TEC) modules are active cooling techniques that operate according to the Peltier effect. When an electrical current is supplied, the devices are capable of absorbing the heat from one side and releasing the heat to another side. It can precisely control the temperature to achieve the purpose of cooling.

A single-stage thermoelectric cooler will typically produce a maximal temperature difference of 70 °C between its hot and cold sides.

According to QYResearch's new survey, global Single Stage Thermoelectric Coolers (TEC) 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 Single Stage Thermoelectric Coolers (TEC) 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 Single Stage Thermoelectric Coolers (TEC) market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

Ferrotec

Phononic

Laird

KELK

RMT Ltd

CUI Devices

Hi-Z

Crystal

P&N Tech

Thermonamic Electronics

Wellen Tech

AMS Technologies

FUXIN

Custom Thermoelectric

II-VI Incorporated

Kryotherm

Arctic TEC Technologies

TEC Microsystems GmbH

European Thermodynamics

SmarTTec

Thermion

ECOGEN

Shenzhen Tecooler technology

KJLP

Segment by Type

Standard rectangular TEC

Linear TEC

Round TEC

Others

Segment by Application

Automotive

Aerospace & Defense

Telecommunications

Medical

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 Single Stage Thermoelectric Coolers (TEC) 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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