

Global N-TOPCon Solar Cells Market Growth 2022-2028

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Abstracts

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N-TOPCon is a tunneling oxide passivation contact solar cell technology based on the principle of selective carriers. Its cell structure is an N-type silicon substrate cell. A layer of ultra-thin silicon oxide is prepared on the back of the cell, and then deposited. A layer of doped silicon thin layer, the two together form a passivation contact structure, which effectively reduces surface recombination and metal contact recombination. Compared with P-type crystalline silicon cells, N-type crystalline silicon cells have higher minority carrier lifetime, no light-induced attenuation, good low-light effect, and small temperature coefficient.

The global market for N-TOPCon Solar Cells is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC N-TOPCon Solar Cells market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States N-TOPCon Solar Cells market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe N-TOPCon Solar Cells market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China N-TOPCon Solar Cells market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key N-TOPCon Solar Cells players cover LG, REC, CARBON, Jinko Solar and Trina Solar, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global N-TOPCon Solar Cells market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global N-TOPCon Solar Cells market, with both quantitative and qualitative data, to help readers understand how the N-TOPCon Solar Cells market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in K Units.

Market Segmentation:

The study segments the N-TOPCon Solar Cells market and forecasts the market size by Type (Single Crystal Single Side, Single Crystal Double Side and Others), by Application (Photovoltaic Power Station, New Energy Vehicles and Others.), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Single Crystal Single Side

Single Crystal Double Side

Others

Segmentation by application

Photovoltaic Power Station

New Energy Vehicles

Others

Segmentation by region

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

LG

REC

CARBON

Jinko Solar

Trina Solar

Longi Group

Jolywood

S.C New Energy Technology

CECEP Solar Energy

Aiko Solar

Risen Energy

Tongwei

Chapter Introduction

Chapter 1: Scope of N-TOPCon Solar Cells, Research Methodology, etc.

Chapter 2: Executive Summary, global N-TOPCon Solar Cells market size (sales and revenue) and CAGR, N-TOPCon Solar Cells market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: N-TOPCon Solar Cells sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global N-TOPCon Solar Cells sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global N-TOPCon Solar Cells market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including LG, REC, CARBON, Jinko Solar, Trina Solar, Longi Group, Jolywood, S.C New Energy

Technology and CECEP Solar Energy, etc.

Chapter 14: Research Findings and Conclusion

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