

N-TOPCon Cells Market, Global Outlook and Forecast 2022-2028

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Abstracts

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.

This report contains market size and forecasts of N-TOPCon Cells in global, including the following market information:

Global N-TOPCon Cells Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global N-TOPCon Cells Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five N-TOPCon Cells companies in 2021 (%)

The global N-TOPCon Cells market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Single Crystal Single Side Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of N-TOPCon Cells include LG, REC, CARBON, Jinko Solar, Trina Solar, Longi Group, Jolywood, S.C New Energy Technology and CECEP Solar Energy, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the N-TOPCon Cells manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global N-TOPCon Cells Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global N-TOPCon Cells Market Segment Percentages, by Type, 2021 (%)

Single Crystal Single Side

Single Crystal Double Side

Global N-TOPCon Cells Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global N-TOPCon Cells Market Segment Percentages, by Application, 2021 (%)

Photovoltaic Power Station

New Energy Vehicles

Others

Global N-TOPCon Cells Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global N-TOPCon Cells Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies N-TOPCon Cells revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies N-TOPCon Cells revenues share in global market, 2021 (%)

Key companies N-TOPCon Cells sales in global market, 2017-2022 (Estimated), (K Units)

Key companies N-TOPCon Cells sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

LG

REC

CARBON

Jinko Solar

Trina Solar

Longi Group

Jolywood

S.C New Energy Technology

CECEP Solar Energy

Aiko Solar

Risen Energy

Tongwei

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