

PERC Cells Market, Global Outlook and Forecast 2022-2028

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Abstracts

PERC technology improves conversion efficiency by adding a dielectric passivation layer on the backside of the cell. Better efficiency levels in standard cell structures are limited by the tendency of photogenerated electrons to recombine. PERC cells maximize the potential gradient across the P-N junction, which allows for more stable electron flow, reduced electron recombination, and higher efficiency levels. The biggest difference between PERC cells and conventional cells is the passivation of the dielectric film on the back surface and the use of localized metal contact, which greatly reduces the recombination speed of the surface and improves the light reflection on the back surface.

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

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

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

Global top five PERC Cells companies in 2021 (%)

The global PERC 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 Side Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of PERC Cells include LG, REC, Solar World, Meyer Burger, Adani, Astronergy, Suntech, HT-SAAE and Canadian Solar, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the PERC 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 PERC Cells Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global PERC Cells Market Segment Percentages, by Type, 2021 (%)

Single Side

Double Side

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

Global PERC Cells Market Segment Percentages, by Application, 2021 (%)

Photovoltaic Power Station

New Energy Vehicles

Others

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

Global PERC 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 PERC Cells revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies PERC Cells revenues share in global market, 2021 (%)

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

Key companies PERC Cells sales share in global market, 2021 (%)

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

LG

REC

Solar World

Meyer Burger

Adani

Astronergy

Suntech

HT-SAAE

Canadian Solar

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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