

Global HIT (Heterojunction) Solar Cell Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global HIT (Heterojunction) Solar Cell market size is expected to reach \$ 21910 million by 2029, rising at a market growth of 51.2% CAGR during the forecast period (2023-2029).

Global key players of HIT (heterojunction) solar cell include Huasun, TW Solar, Canadian Solar, REC, Jinneng, etc. The top five players hold a share about 58%. North America is the largest market, has a share about 54%, followed by Europe and Asia, with share 25% and 16%, separately. In terms of product type, silver is the largest segment, accounting for approximately 97% of the market share. At the same time, in terms of downstream, residential use is the largest downstream sector, accounting for 85% of the market share.

Heterojunction is one of the two advanced cell architectures the solar industry has been banking upon to improve the performance of today's PV device. The current cell technology incumbent, PERC has hit its efficiency threshold, and even the large wafer trick that allowed it to generate more power is not exclusive to PERC anymore. Consequently, cell/module manufacturers have once again started focusing on high efficiency, and this is where HJT makes its presence felt. HJT, now on the radar of many PV manufacturers, has made significant progress in recent times. As a technology, HJT is a variant of passivated contacts, so is TOPCon. Both the technologies address the primary shortcoming of most of the cell technologies, i.e., recombination due to metallic contacts. This is achieved by electronically separating contacts from the absorber by inserting a wider band-gap layer. Where HJT differs from TOPCon, which is single sided, is that the said layer is inserted on both sides and the process itself is accomplished at a low temperature. HJT comes with a few more advantages such as a short production process with fewer steps, high bifaciality, better

low-light performance and low degradation. Besides, HJT is anything but new, as the technology has been in production for over two decades.

This report studies the global HIT (Heterojunction) Solar Cell production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for HIT (Heterojunction) Solar Cell, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of HIT (Heterojunction) Solar Cell that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global HIT (Heterojunction) Solar Cell total production and demand, 2018-2029, (MW)

Global HIT (Heterojunction) Solar Cell total production value, 2018-2029, (USD Million)

Global HIT (Heterojunction) Solar Cell production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MW)

Global HIT (Heterojunction) Solar Cell consumption by region & country, CAGR, 2018-2029 & (MW)

U.S. VS China: HIT (Heterojunction) Solar Cell domestic production, consumption, key domestic manufacturers and share

Global HIT (Heterojunction) Solar Cell production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MW)

Global HIT (Heterojunction) Solar Cell production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MW)

Global HIT (Heterojunction) Solar Cell production by Application production, value, CAGR, 2018-2029, (USD Million) & (MW).

This reports profiles key players in the global HIT (Heterojunction) Solar Cell market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Panasonic, GS-Solar, REC, Jinneng, Huasun, Akcome, TW Solar, Canadian Solar and Risen Energy, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World HIT (Heterojunction) Solar Cell market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (US\$/W) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global HIT (Heterojunction) Solar Cell Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global HIT (Heterojunction) Solar Cell Market, Segmentation by Type

Silver-based

Copper-based

Others

Global HIT (Heterojunction) Solar Cell Market, Segmentation by Application

PV Power Station

Commercial

Residential

Companies Profiled:

Panasonic

GS-Solar

REC

Jinneng

Huasun

Akcome

TW Solar

Canadian Solar

Risen Energy

Enel (3SUN)

Meyer Burger

Hevel

EcoSolifer

Heliene

Key Questions Answered

1. How big is the global HIT (Heterojunction) Solar Cell market?
2. What is the demand of the global HIT (Heterojunction) Solar Cell market?
3. What is the year over year growth of the global HIT (Heterojunction) Solar Cell market?
4. What is the production and production value of the global HIT (Heterojunction) Solar Cell market?
5. Who are the key producers in the global HIT (Heterojunction) Solar Cell market?
6. What are the growth factors driving the market demand?

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