

Global Photovoltaic Grid-connected Solution Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Photovoltaic Grid-connected Solution market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Photovoltaic grid-connected solution refers to a solution that connects a solar photovoltaic (PV) system to the public grid, enabling self-consumption and excess power to be sold back to the grid. The Photovoltaic grid-connected system uses inverters to convert DC power to AC power which works in sync with the public grid. The electricity generated is then supplied to households or commercial/industrial facilities, while excess electricity is fed back into the grid and subsidized or sold, in accordance with national policies. Photovoltaic grid-connected solutions can improve the economic benefits of solar power generation systems, reduce dependence on the public grid, and have advantages such as being environmentally friendly, energy-saving, and sustainable, making them widely used in households, commercial, and industrial fields.

United States market for Photovoltaic Grid-connected Solution is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Photovoltaic Grid-connected Solution is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Photovoltaic Grid-connected Solution is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Photovoltaic Grid-connected Solution players cover Helios Photovoltaic,

Growatt, Shenzhen INVT Electric Co., Ltd (INVT), Wuhan Union Better Technology, Projoy Electric Co., Ltd., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the "Photovoltaic Grid-connected Solution Industry Forecast" looks at past sales and reviews total world Photovoltaic Grid-connected Solution sales in 2025, providing a comprehensive analysis by region and market sector of projected Photovoltaic Grid-connected Solution sales for 2026 through 2032. With Photovoltaic Grid-connected Solution sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Photovoltaic Grid-connected Solution industry.

This Insight Report provides a comprehensive analysis of the global Photovoltaic Grid-connected Solution landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Photovoltaic Grid-connected Solution portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Photovoltaic Grid-connected Solution market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Photovoltaic Grid-connected Solution and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Photovoltaic Grid-connected Solution.

This report presents a comprehensive overview, market shares, and growth opportunities of Photovoltaic Grid-connected Solution market by product type, application, key players and key regions and countries.

Segmentation by Type:

Centralized Photovoltaic Grid-Connected Solution

Distributed Photovoltaic Grid-Connected Solution

Segmentation by Application:

Residential

Commercial

Industrial

Public Utilities

Others

This report also splits the market 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

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Helios Photovoltaic

Growatt

Shenzhen INVT Electric Co., Ltd (INVT)

Wuhan Union Better Technology

Projoy Electric Co., Ltd.

East

AISWEI

Chang He Shen Yuan Hebei energy storage Technology Co., LTD

Siemens

Taizhou Guorui Electric Co., LTD

Cnsolarwind

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