

# Global Distributed Photovoltaic Generation Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Distributed Photovoltaic Generation market size will reach Million USD in 2025 and is projected to reach Million USD by 2032, with a CAGR of % (2025-2032). Notably, the China Distributed Photovoltaic Generation market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Distributed photovoltaic generation refers to the decentralized production of electricity through solar photovoltaic (PV) systems installed at various locations, such as rooftops, residential buildings, commercial establishments, and industrial facilities. Unlike centralized power generation from large power plants, distributed photovoltaic generation involves small-scale solar panels connected to the grid or used for local consumption. This approach allows individual consumers or businesses to produce their own clean energy, reduce electricity bills, and even feed excess power back into the grid. Distributed photovoltaic generation plays a crucial role in transitioning towards more sustainable and renewable energy sources, contributing to the overall diversification and resilience of the energy system while promoting energy independence and reducing greenhouse gas emissions.

The major global manufacturers of Distributed Photovoltaic Generation include LONGi Green Energy Technology, GCL New Energy, JA Solar, Canadian Solar, Hanwha Q

CELLS, FIRST SOLAR, Zhonghuan Semiconductor, Risen Energy, Chint Solar, Trina Solar, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Distributed Photovoltaic Generation. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Distributed Photovoltaic Generation market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Distributed Photovoltaic Generation market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Distributed Photovoltaic Generation industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Distributed Photovoltaic Generation Include:

LONGi Green Energy Technology

GCL New Energy

JA Solar

Canadian Solar

Hanwha Q CELLS

FIRST SOLAR

Zhonghuan Semiconductor

Risen Energy

Chint Solar

Trina Solar

Distributed Photovoltaic Generation Product Segment Include:

Enterprise Rooftop Photovoltaic Power Generation System

Residential Roof Photovoltaic Power Generation System

Distributed Photovoltaic Generation Product Application Include:

Residential Electricity

Enterprise Electricity

## **Chapter Scope**

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