

Global PV Module Testing and Certification Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/P1FEB6307B50EN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: P1FEB6307B50EN

Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global PV Module Testing and Certification 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 PV Module Testing and Certification 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

PV module testing and certification involve a series of rigorous assessments conducted on photovoltaic (PV) modules to ensure their compliance with industry standards, performance expectations, and safety requirements. Testing evaluates various aspects, including electrical performance, durability, reliability, and adherence to design specifications. Key parameters such as maximum power output, efficiency, temperature coefficients, and resistance to environmental stress are assessed. Certification is the formal acknowledgment by a recognized certification body that the PV modules meet or exceed established standards. These standards, often set by organizations such as the International Electrotechnical Commission (IEC), cover safety, performance, and quality criteria. Obtaining certification is crucial for manufacturers, as it instills confidence in consumers, investors, and regulatory authorities regarding the reliability and safety of the PV modules, facilitating market access and ensuring the integrity of solar energy systems.

The major global suppliers of PV Module Testing and Certification include SGS, Kiwa, Intertek, TÜV Rheinland, TÜV SÜD, UL Solutions, VDE Renewables, Dekra, SolarPTL, SIRIM QAS, Eternalsun Spire, CENER, Fraunhofer ISE, Sinovoltaics, TÜV NORD, KRD Global Group, STS, ITC, SERIS, Enertis Applus+, RenewSys, AIT, CSIR, OCA Global, ZwickRoell, NTS, JET, 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 PV Module Testing and Certification. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global PV Module Testing and Certification 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 PV Module Testing and Certification 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 PV Module Testing and Certification 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 Suppliers of PV Module Testing and Certification Include:

SGS

Kiwa

Intertek

T?V Rheinland

T?V S?D

UL Solutions

VDE Renewables

Dekra

SolarPTL

SIRIM QAS

Eternalsun Spire

CENER

Fraunhofer ISE

Sinovoltaics

TUV NORD

KRD Global Group

STS

ITC

SERIS

Enertis Applus+

RenewSys

AIT

CSIR

OCA Global

ZwickRoell

NTS

JET

PV Module Testing and Certification Product Segment Include:

Power Test

Temperature Test

Load Test

Endurance Test

Electroluminescence Test

Infrared Test

Others

PV Module Testing and Certification Product Application Include:

Monocrystalline Silicon PV Modules

Polycrystalline Silicon PV Modules

Thin-Film PV Modules

Other

Chapter Scope

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