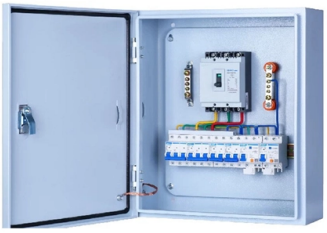
Ranking of Energy Storage Photovoltaic Module Manufacturers



Overview

The Sinovoltaics Ranking Reports provide you with a quarterly ranking of PV module, inverter & battery energy storage manufacturers according to their financial strength.

Key Takeaways

Top energy storage PV module manufacturers include CATL, JinkoSolar, LONGi, Trina Solar, Hanwha Q CELLS, First Solar, and KEHUA TECH, recognized for their production scale, technology, and market influence. Leading Global Manufacturers1.

CAT

L – Dominates the PV energy storage sector with advanced R&D in power batteries and energy storage systems, large-scale production, and strong global market presence (PVBL 2025). 2.

Jinko

Solar – A vertically integrated manufacturer with global production facilities, offering high-efficiency half-cell and TOPCon modules, known for reliability and large shipment volumes (Blackridge Research 2026). 3.

LON

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Gi Green Energy – Leading in monocrystalline silicon technology, hybrid and BIPV solutions, and large-scale module production, maintaining top global shipment volumes (PVBL 2025; Blackridge Research 2026). 4. Trina Solar – Offers high-efficiency modules and energy storage solutions, with strong international presence and consistent shipment growth (PVBL 2025; Sinovoltaics 2024).

5.

Hanwha Q CELL

S – Known for Q.

ANTUM and N-type TOP

Con technologies, strong European market performance, and reliable project delivery (Maysun Solar 2025). 6. First Solar – Specializes in CdTe thin-film modules, excelling in high-temperature and low-light conditions, with a strong U.

S. and global utility-scale presence (Maysun Solar 2025). 7.

KEHUA TEC

H – Provides intelligent solar-storage solutions and technical services, recognized for project reliability and adaptability to diverse energy storage scenarios (PVBL 2025). 8. Hyper Strong – Focuses on energy storage system solutions and technical services, noted for high-quality project implementation (PVBL 2025).

Additional Notable Manufacturers

Other top PV module manufacturers include JA Solar, SunPower, and Canadian Solar, which maintain strong production capabilities, technological innovation, and global market reach (Sinovoltaics 2024; Maysun Solar 2025).

Key Evaluation Criteria

Rankings consider multiple factors: Market performance and shipment volumes – Reflecting global reach and production scale. Technological capability – Including TOPCon, HJT, IBC, and thin-film technologies. Financial strength – Ensuring long-term warranty reliability and operational stability.

Innovation and sustainability – Emphasizing R&D, green growth, and social responsibility. Project delivery and service quality – Critical for energy storage integration and commercial/utility-scale projects. These rankings provide a comprehensive view of manufacturers capable of delivering high-quality PV modules and integrated energy storage solutions, supporting informed procurement and investment decisions in the global solar market.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Article Content

2025 Top 20 Global Solar Energy Storage Brands Revealed by PVBL

CATL has secured a dominant position in the PVBL 2025 Global Photovoltaic Brand Ranking of the Energy Storage Top 20, leveraging its expertise in the research and development

PVBL 2026 Global Top 100 Solar & Energy Storage Brands Unveiled

The revised framework features 19 detailed evaluation criteria and now fully includes energy storage companies, evolving from a solar-only ranking to a combined solar and storage

Sinovoltaics Manufacturer Ranking Reports

The Sinovoltaics Ranking Reports provide you with a quarterly ranking of PV module, inverter & battery energy storage manufacturers according to their financial strength.

Tier 1 reports | BloombergNEF

Tier 1 Reports BNEF''s independent Tier 1 reports use proprietary data to bring transparency to complex markets. BNEF''s Tier 1 reports identify leading manufacturers and suppliers of solar PV modules,

Sinovoltaics Energy Storage Manufacturers Ranking Report 2024

Get free access to financial stability insights and Altman-Z scores of over 40+ Energy Storage manufacturers to make informed decisions in the energy storage market.

2025 Top 20 Global Solar Energy Storage Brands

On June 10, 2025, the Photovoltaic Brand Lab (PVBL) unveiled its annual ranking of the world''s leading solar energy storage solution providers at the 10th Century Photovoltaic Conference...

3-25 Sinovoltaics Energy Storage Manufacturer Ranking Report

The Altman-Z Scores in this report has been calculated from September 2022 until June 2025, and provide detailed insight how the financial strength of energy storage manufacturers has evolved over

Top Energy Storage Photovoltaic Panel Companies: 2024 Industry

This article analyzes the key players in energy storage photovoltaic panel technology, evaluates their market performance, and explores emerging trends driving global adoption.

Ranking of high-quality companies in the photovoltaic energy storage

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

This article will mainly explore the top 10 energy storage manufacturers in the world including BYD, Tesla, Fluence, LG energy solution, CATL, SAFT, Invinity Energy Systems, Wartsila, NHOA energy,

2025 Top 20 Global Photovoltaic Module Manufacturers Revealed by

The rankings assess not only market performance and financial metrics, but also innovation capability, social responsibility, and sustainable development, reflecting the industry''s

Jinko Solar And LONGi Lead 2025 Global Module Shipments As

InfoLink Consulting has released its 2025 global solar module shipment ranking, showing that the combined shipments of leading photovoltaic (PV) module manufacturers reached about 536

Trinasolar

Four major businesses: 1) PV Products: R&D, production and sales of PV modules; 2) Energy Storage: A wide range of energy storage solutions for utility-scale

Photovoltaics Report

The amount of silicon used per watt has been significantly reduced, shortening the energy payback time to approximately 1 year, depending on the location. Over their lifespan of about

Magazines & Subscriptions | pv magazine Shop

Discover pv magazine subscriptions and single issues with expert coverage of solar PV, energy storage, technology trends, and renewable energy markets worldwide.

2026 Q2 Global Energy Storage Tier 1 List: Chinese Firms Take 85

According to EnergyTrend, BloombergNEF (BNEF) recently released the 2026 Q2 Global Tier 1 Energy Storage Manufacturer Ranking. A total of 66 tier-one energy storage manufacturers

World-leading Solar Module Manufacturer | Talesun Solar

Talesun Solar was founded in 2010. Through more than 10 years of innovation and development, it has become one of the global Top 10 photovoltaic

Solar Energy Industries Association

Companies across the United States are investing in record-levels of solar and energy storage to power their operations. Read the full report and see where America''s top brands rank

List of photovoltaics companies

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Monocrystalline solar cell This is a list of notable photovoltaics (PV) companies. Grid-connected solar photovoltaics (PV) is the fastest growing energy technology in the world, growing from a cumulative

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved