



Photovoltaic inverter patent ranking





Overview

According to the ranking list, LG Group, Jinko Solar and AIKO Technology rank the first, second and third place respectively, with 1,360 patents, 1,101 patents, and 931 patents accordingly, followed by CSIQ, Panasonic Electric, Samsung Group, LONGi, Sony, KANEKA. According to the ranking list, LG Group, Jinko Solar and AIKO Technology rank the first, second and third place respectively, with 1,360 patents, 1,101 patents, and 931 patents accordingly, followed by CSIQ, Panasonic Electric, Samsung Group, LONGi, Sony, KANEKA. 24 Total Patents Across 4 Families, with 8 Representative Claim Charts Tangible IP is pleased to represent Dr. Rajiv Varma's pioneering work highlighting technologies relevant to Solar Photovoltaic (PV) Inverters. The portfolio consists of 4 patent families including 24 patents assets in total (20. PVTIME – Renewable energy capacity additions reached a significant milestone in 2023, with an increase of almost 50% to nearly 510GW, mainly contributed by solar PV manufacturers around the world. On June 11-12 2024, the CPC 9th Century Photovoltaic Conference and PVBL 12th Global Photovoltaic. This report offers valuable insights for both public and private sector decision-makers, drawing on the latest patent data and the combined expertise of the EPO and the European Innovation Council (EIC) to spotlight technology trends and emerging challenges. A solar inverter or PV inverter, is a type of electrical converter which converts the variable direct current (DC) output of a photovoltaic (PV) solar panel into a utility frequency. By confining the keywords and classification numbers concerning solar cell technology, we sorted out the solar cell patents that were applied for and publicly disclosed globally from May 1, 2013 to April 30, 2023 (in combination with the application number).



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[Global solar inverter manufacturer ranking report H1 2025](#)

This report presents Wood Mackenzie's comprehensive assessment of the global PV inverter industry for H1 2025.

[2024 Top 20 Global Photovoltaic Inverter Brands Revealed by PVBL](#)

The overall ranking of the list has not changed much, as most of the leading inverter manufacturers have developed their respective core products, including central inverters, string ...



[Advances in solar photovoltaics: Technology review and patent trends](#)

Reviewing the most influential PV patent applications. Against the pressing challenges of climate change and fossil fuel depletion, renewable energy sources such as solar photovoltaics (PV) ...

[Inventions for photovoltaics increased more than seventeen-fold in](#)

Over the past 15 years, patenting activity has increasingly shifted to China, mirroring its rise as a leader in photovoltaic manufacturing and deployment. Although international patent families ...



US8542512B2

We have previously described a range of improved techniques for increasing reliability and efficiency in photovoltaic inverters (see, for example, WO2007/080429 and others of our published



[Global solar inverter manufacturer rankings - pv magazine USA](#)

Sinovoltaics, a quality assurance services firm based in Hong Kong, has released its latest global PV Inverter Manufacturer Ranking Report, based on Altman-Z scores for 35 inverter ...



[Solar inverter patented technology retrieval search results](#)

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Solar inverter-related invention patents and utility model patents, ...



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[Global Ranking of Solar Cell Patents \(TOP 30\)](#)

Photovoltaic (PV) system is a system that directly converts solar energy into electricity under the PV effect. The system's core component is the PV module, which is a solar cell array ...

[Solar PV Inverter Patent Portfolio , Tangible IP](#)

There are 8 total claim charts prepared against 6 industry leaders in the solar PV Inverters industry as well as 2 charts that read directly on the 2800 Standard.





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