

Global solar container installed capacity in 2022





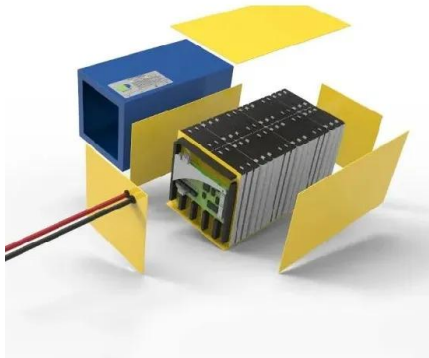
Overview

The global solar sector installed over 1,183GW of solar PV capacity as of the end of 2022, of which 65% were added in the last five years, according to the International Energy Agency's (IEA) Trends in PV Applications 2023. Last year, the installed global solar capacity reached. The US added 8.63GW of distributed solar last year. Credit: SunPower

The global solar sector installed over 1,183GW of solar PV capacity as of the end of 2022, of which 65% were added in the last five years, according to the International Energy Agency's (IEA) Trends in PV Applications 2023. Last. Global renewable capacity increased by 295 GW last year, bringing the world to a cumulative installed capacity of 3,372 GW, according to the International Renewable Energy Agency (IRENA). IRENA says developers installed 295 GW of renewable energy throughout the world in 2022, driving up global. Solar PV maintained its record-breaking streak, with new capacity increasing 37% in 2022, while global solar production reached an average of 6.2%, up from 5% in 2021. For the tenth consecutive year, Asia dominated regionally in new solar PV installations, contributing 64% of the global added. Cumulative installed solar capacity, measured in gigawatts (GW). Data source: IRENA (2025) – Learn more about this data processed This is the citation of the original data obtained from the source, prior to any processing or adaptation by Our World in Data. To cite data downloaded from this page. At the end of 2022, global renewable generation capacity amounted to 3 372 GW. Renewable hydropower accounted for the largest share of the global total, with a capacity of 1 256 GW.* Solar and wind energy accounted for most of the remainder, with total capacities of 1 053 GW and 899 GW. IRENA says developers installed 295 GW of renewable energy throughout the world in 2022, driving up global cumulative installed capacity by 9.6% to 3,372 GW. It was a year of record growth, largely based on newly installed PV systems, according to IRENA. The organization says 191 GW of solar was.



Global solar container installed capacity in 2022



New global solar capacity additions hit 191 GW in 2022, says IRENA

China accounted for almost half of the new global renewables capacity in 2022, at 141 GW. A total of 57.3 GW were added in Europe in 2022 and 29.1 GW in North America, according to ...

China's solar container investment status and development trends

According to the Global Trends in Renewable Energy Investment 2018, China boasts a third of the wind power capacity, 4 of the top ten wind turbine manufacturers and 6 of the top ten solar panel



Global installed PV capacity could hit 260 GW in 2022

The International Energy Agency Photovoltaic Power Systems Programme (IEA PVPS) estimates that 173.5 GW of new solar capacity was installed in 2021, and that figure might rise to 260 ...

Renewable Energy Capacity Statistics 2022

By the end of 2021, renewables accounted for 38 per cent of global installed capacity. The large existing stock of non-renewable energy signifies a carbon lock-in for many countries that must



face the ...



Renewable Capacity Highlights 2025

26 March 2025 Renewable power capacity by energy source 4% 25% 42% At the end of 2024, global renewable power capacity amounted to 4 448 GW. Solar, in line with the previous year, accounted ...



Renewable Energy Capacity Statistics 2022

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Spring 2022 Solar Industry Update

Global Solar Deployment In 2021, 172 GWdc of PV capacity was added globally, bringing cumulative capacity to 939 GWdc. China, the largest market, installed a record 55 GWdc (309 GWdc ...





Global solar installations surge 64% in first half of 2025

World installed 380 GW of new solar capacity in first six months of 2025 Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 ...

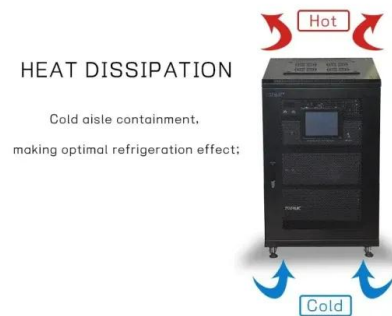


Snapshot 2022

At least 175 GW of PV systems have been installed and commissioned in the world last year which means that the total cumulative installed capacity for PV at the end of 2021 reached at least 942 GW.

Next-Gen Solar: How Innovations in Materials, System, and Storage ...

Solar power now accounts for almost 9% of global electricity generation and is rising fast: Global capacity reached 1 terawatt in 2022 (enough to power about 125 million average U.S.



2022 SOLAR CONTAINER BATTERY INSTALLED CAPACITY

Global battery energy storage systems, or BESS, rose 40 GW in 2023, nearly doubling the total increase in capacity observed in the previous year, according to a special report published by the International ...



Global solar capacity to increase 32% compared to 2022

The US will see a staggering 52% yearly growth in solar installations in 2023 Following a 13% market contraction in 2022, Wood Mackenzie expects the US solar industry to grow 52% this ...



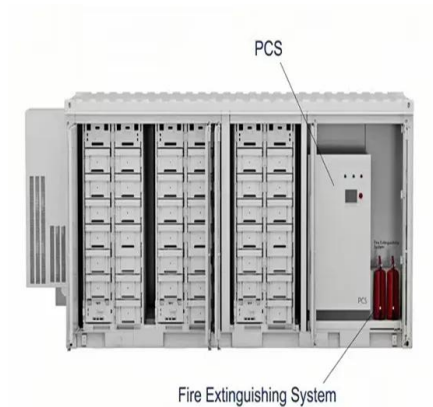
Installed solar energy capacity

Depending on the data, this can include standardizing country names and world region definitions, converting units, calculating derived indicators such as per capita measures, as well as ...



RENEWABLES 2022 GLOBAL STATUS REPORT

Large collector manufacturers benefited more than small manufacturers from the growing market and continued to consolidate their market positions. Solar industrial heat capacity under construction was ...



Snapshot 2022

China remains the leader in terms of cumulative capacity with 308,5 GW installed, almost one third of the global PV installed capacity. o In addition to China, the rest of the global PV market grew ...



2022 new solar container capacity

China accounted for almost half of the new global renewables capacity in 2022, at 141 GW. A total of 57.3 GW were added in Europe in 2022 and 29.1 GW in North America, according to IRENA.



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