VDB Solar Solutions

World renewable energy capacity

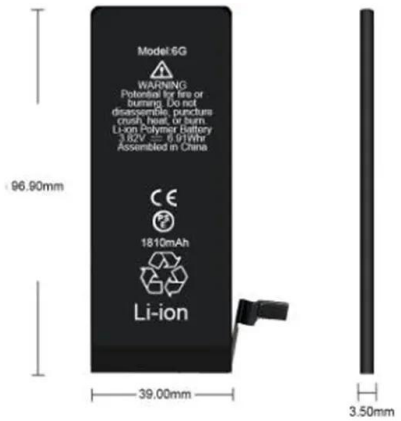
World renewable energy capacity

Executive summary - Renewables 2024 - Analysis

Global renewables growth set to outpace current government goals for 2030. Global renewable capacity is expected to grow by 2.7 times by 2030, surpassing countries' current ambitions by ...

Per capita electricity generation from renewables, 2023

Ember (2024); Energy Institute - Statistical Review of World Energy (2024); Population based on various sources (2023) - with major processing by Our World in Data. "Electricity generation from renewables per person - Ember and Energy Institute" [dataset].



Renewable Capacity Statistics 2022

Renewable power generation capacity is measured as the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity. For most countries and technologies, the data reflects the capacity installed and connected at the end of the calendar year.

Renewable capacity highlights 2022

Renewable generation capacity by energy source At the end of 2021, global renewable generation capacity amounted to 3 064 GW. Asia and the world. North America was the only other region with significant expansion in 2021, adding 1.3 GW of bioenergy

Renewable Energy Statistics 2021

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable data sets on renewable energy capacity and use worldwide. Renewable Energy Statistics 2021 provides data sets on power-generation capacity for 2011-2020, actual power generation for 2011-2019 and renewable energy balances for over 130 countries and areas for 2018-2019.

Global overview - Renewables 2024 - Analysis

Renewables 2024 - Analysis and key findings. A report by the International Energy Agency. In 2030, variable renewables account for two-thirds of global renewable electricity generation, rising from less than 45% today. Over the forecast period, the share of solar PV

Renewable electricity - Renewables 2022 - Analysis

Poland and Türkiye, which awarded a combined 3.5 GW of renewable capacity last year, have not yet held auctions in the first three quarters of 2022. Outside of China and Europe, the world awarded 26% less renewable capacity during the first three quarters of

Tripling renewable power capacity by 2030 is vital to keep the ...

The world has made huge strides in expanding renewable energy capacity in recent years - with the global energy crisis sparked by Russia's invasion of Ukraine providing fresh impetus by underscoring the energy security benefits of renewables in addition to their climate credentials.

[Renewable Energy Capacity Statistics 2024]

IRENA's Renewable capacity statistics illustrates the growth of renewables in new installed power generation capacity in 2023. By the end of 2023, renewables accounted for 4 3% of global installed power capacity. Yet, as we draw closer to a world in which

Executive summary - Renewables 2023 - Analysis

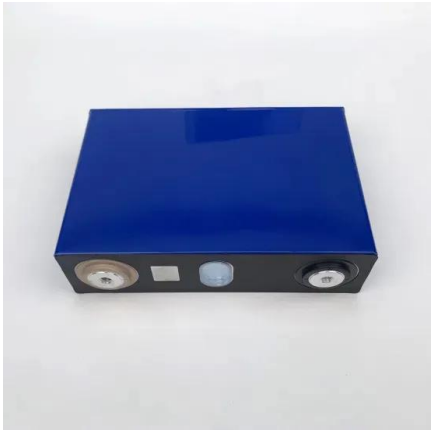
Global annual renewable capacity additions increased by almost 50% to nearly 510 gigawatts (GW) in 2023, the fastest growth rate in the past two decades. This is the 22nd year in a row ...

Renewable electricity-generating capacity per person

The installed capacity of power plants that generate electricity from renewable energy sources. This includes hydropower, marine (ocean, tidal and wave), wind, solar (photovoltaic and thermal energy), bioenergy, and ...

Massive global growth of renewables to 2030 is set to match ...

The Renewables 2024 report, the IEA's flagship annual publication on the sector, finds that the world is set to add more than 5 500 gigawatts (GW) of new renewable ...

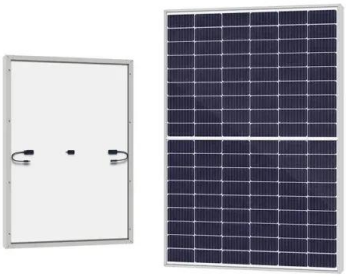


[Electricity - Renewables 2024 - Analysis]

Over 2024-2030, China is expected to install 3 207 GW of new renewable electricity capacity, more than tripling growth of 2017-2023. Since 2015, China's share in global annual capacity additions has been increasing and is expected to reach almost 60% in 2030.

[Renewable Energy Capacity Statistics 2022]

The global shift to renewables is underway. This latest edition of Renewable Capacity Statistics comes as a statement to the world that renewables are the de-facto energy choice for new power generation, despite the devastating effect the COVID-19 pandemic



Executive summary - Renewables 2024 - Analysis

Renewables 2024 - Analysis and key findings. A report by the International Energy Agency. The European Union and the United States are both forecast to double the pace of renewable capacity growth between 2024 and 2030, while India sees the fastest rate of

Renewables

The world is on course to add more renewable capacity in the next five years than has been installed since the first commercial renewable energy power plant was built more than 100 years ago. Almost 3 700 GW of new renewable capacity will come online over the 2023-2028 period, driven by supportive policies in more than 130 countries.

[Renewable capacity statistics 2024]

Renewable power generation capacity is measured as the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity. For most countries and technologies, the data reflects the capacity installed and connected at the end of the calendar year.

Renewable energy

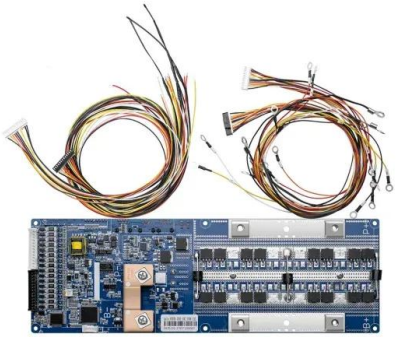
Renewable energy is more evenly distributed around the world than fossil fuels, which are concentrated in a limited number of countries. [28] It also brings health benefits by reducing air pollution caused by the burning of fossil fuels. The potential worldwide savings in

Renewables - Global Energy Review 2021 - Analysis

Increases in electricity generation from all renewable sources should push the share of renewables in the electricity generation mix to an all-time high of 30% in 2021. Combined with nuclear, low-carbon sources of generation well and truly ...

Executive summary - Renewables 2021 - Analysis

Renewables 2021 - Analysis and key findings. A report by the International Energy Agency. Even with surging commodity prices increasing manufacturing costs for solar PV, its capacity additions are forecast to grow by 17% in 2021.



Renewable energy capacity worldwide by country ...

Renewable power capacity is defined as the maximum generating capacity of installations that use renewable sources to generate electricity. Recent data suggests that renewable energy

Renewables 2024 - Analysis

At the COP28 UN Climate Change Conference in December, governments agreed to work together to triple the world's installed renewable energy capacity by 2030. Renewables 2024 offers a comprehensive country-level analysis on tracking progress towards the global tripling target based on current policies and market developments.

Renewable energy statistics 2024

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2024 provides datasets on power-generation capacity for ...

[Renewable capacity statistics 2023]

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[Global renewable energy consumption 2023]

Hydropower and renewable energy capacity worldwide 2008-2023 Global renewable capacity additions 2011-2023 Global cumulative renewable capacity installed 2023, by technology

Stepping up renewable energy capacity in the MENA region , World

COP28 saw 125 countries across the world commit to tripling renewable energy capacity by 2030. Growth in wind and solar capacity can make the Middle East and North Africa (MENA) region a clean energy and green hydrogen hub. But MENA currently lags

Global electricity generation capacity by source , Statista

In 2022, electricity generation from renewables worldwide had a combined power capacity of over 3.3 terawatts. However, this was still significantly lower than the capacity of all fossil-based

Global renewable energy capacity by scenario, 2022 and 2030

Global renewable energy capacity by scenario, 2022 and 2030 - Chart and data by the International Energy Agency. World Energy Outlook 2023 Flagship report -- October 2023 Net Zero Roadmap: A Global Pathway to Keep the 1.5 C Goal in

Country Rankings

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest. Home > Data > View data by topic > Capacity and Generation >

China drives world renewables capacity addition in 2023

China was the major driving force behind the world's rapid expansion of renewable power generation capacity last year, which grew by 50 percent to 510 gigawatts, the International Energy Agency said. Driven by rapid growth in China, renewable energy capacity

[Renewable Energy Capacity Statistics 2023]

By the end of 202 2, renewables accounted for 40 % of global installed power capacity. Yet, as we draw closer to a world in which renewable energy accounts for half of total capacity, many energy planning questions must be addressed to establish renewables

Renewable energy: Global capacity increased by 50% in 2023

Clean energy boomed in 2023, with 50% more renewables capacity added to energy systems around the world compared to the previous year. Additional renewable ...

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