

# Renewable energy statistics





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### [Renewable energy statistics 2019](#)

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable data on renewable energy capacity and use worldwide. Renewable Energy Statistics 2019 provides data sets on power-generation capacity for 2009-2018, actual power generation for 2009-2017 and renewable energy balances for over 130 countries and areas for 2016-2017.

### [Growth of Renewable Energy in the US](#)

Yet despite record growth, renewable energy installations need to ramp up even faster. Analyses of achieving 100% carbon-free electricity by 2035, what's needed to achieve U.S. greenhouse gas reduction targets, indicate that annual installation rates of renewables in coming years need to nearly double the rates seen in 2023.



### [Electricity - Renewables 2023 - Analysis](#)

While renewables are currently the largest energy source for electricity generation in 57 countries, mostly thanks to hydropower, these countries represent just 14% of global power demand. By 2028, 68 countries will have renewables as their main power generation source but still only account for 17% of global demand.

### **Executive summary - Renewables 2023 - Analysis**

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. In the main case forecast in this report, almost 3 700 GW of new renewable capacity comes online over the 2023-2028 period, driven by supportive policies in more than 130 countries.

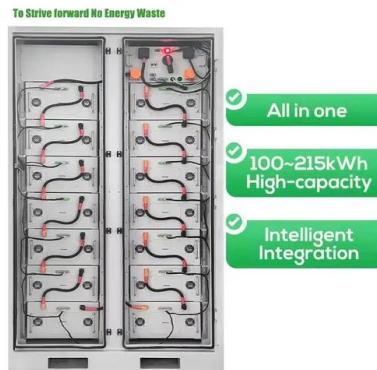


[Global renewable energy consumption 2023](#)

Global consumption of renewable energy has increased significantly over the last two decades. Consumption levels nearly reached 90.23 exajoules in 2023. Despite its rapid growth, ...

**Energy Statistics India 2023 , Ministry of Statistics and Program**

9 ????· Energy Statistics India 2023Download Cover Page Foreword Officers Associated with Publications Abbreviations and Acronyms Contents List of Tables List of Figures Introduction Chapter 1-Reserves and Potential for Generation Chapter 2-Installed Capacity and



[Renewable energy statistics](#)

Share of renewable energy more than doubled between 2004 and 2022 The EU reached a 23.0 % share of its gross final energy consumption from renewable sources in 2022, around 1.1 percentage points (pp) higher than in 2021. EU Directive 2023/2413 on the promotion of the use of energy from renewable sources has revised upwards the EU's 2030 renewable energy target ...



## Statistical Yearbooks

Renewable energy statistics 2023 This statistical publication presents renewable energy statistics for the last decade (2012-2022). View Available as: PDF Statistical Yearbook Renewable capacity statistics 2023 This publication decade (2013-2022) in trilingual



### [Renewables 2022 - Analysis](#)

Renewables 2022 is the IEA's primary analysis on the sector, based on current policies and market developments. It forecasts the deployment of renewable energy technologies in electricity, transport and heat to 2027 while also exploring key challenges to the

### [Renewable energy investments worldwide](#)

Premium Statistic Global public renewable energy investments 2018-2020, by type of investor Premium Statistic Global renewable energy investments 2020, by financial instrument



### [Modern renewable energy generation by source](#)

Global hydropower consumption. Global installed renewable energy capacity by technology. Hydropower generation by region. Installed geothermal energy capacity. Installed solar energy capacity. Installed wind energy capacity. ...



## Renewables

Renewable energy sources accounted for 9% of Australian energy consumption in 2022-23. Renewable electricity generation has more than doubled over the last decade, but combustion of biomass such as firewood and bagasse (the ...



### [Renewables 2022 Global Status Report](#)

As the world's only crowd-sourced report on renewable energy, the Renewables 2022 Global Status Report (GSR) is in a class of its own. The Renewables 2022 Global Status Report documents the progress made in the renewable energy sector. It highlights the opportunities afforded by a renewable-based economy and society, including the ability to achieve more ...

### [Renewable energy statistics 2020](#)

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable data sets on renewable energy capacity and use worldwide. Renewable Energy Statistics 2020 provides data sets on power-generation capacity for 2010-2019, actual power generation for 2010-2018 and renewable energy balances for over 130 countries and areas for 2017-2018.



### [Renewable Energy Statistics 2021](#)

nearest one MW/GWh, with figures between zero and 0.5 shown as a 0 the balances, renewable electricity trade is calculated based on the share of renewables in total production. Data have been obtained from a variety of sources, including: the IRENA



### [Renewable energy statistics 2024](#)

Renewable energy statistics 2024 provides datasets on power-generation capacity for 2014-2023, actual power generation for 2014-2022 and renewable energy balances for over 150 countries and areas for 2021-2022. Data was ...



### **Renewables statistics**

Data on the UK's sources of renewable energy, including capacity, electricity and heat generation, and transport fuels. 28 September 2023 Regional renewable statistics updated. 29 September 2022

### [Renewables 2024 - Analysis](#)

Renewables 2024 - Analysis and key findings. A report by the International Energy Agency. This edition of the IEA's annual Renewables market report provides forecasts for the deployment of renewable energy technologies in electricity, transport and heat to 2030



### **Renewable Energy Progress Tracker - Data Tools**

Renewable Energy Progress Tracker - Data tools. A data tool by the International Energy Agency. Renewables 2024 includes this dynamic data dashboard which enables users to explore historical data and forecasts for all sectors and technologies.



### Renewable Energy Statistics 2022

nearest one MW/GWh, with figures between zero and 0.5 shown as a 0. In the balances, renewable electricity trade is calculated based on the share of renewables in total production. Data have been obtained from a variety of sources, including: the IRENA

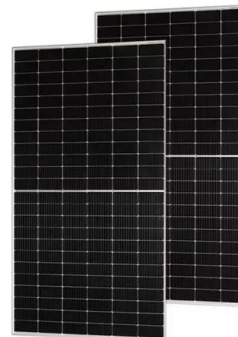


### Executive summary - Renewables 2023 - Analysis

Renewables 2023. Executive summary. 2023 saw a step change in renewable capacity additions, driven by China's solar PV market. Global annual renewable capacity additions increased by ...

### Share of electricity production from renewables, 2023

Share of electricity generated by renewables. Ember and Energy Institute. Measured as a percentage of total electricity. Source. Ember (2024); Energy Institute - Statistical Review of World Energy (2024) - with ...



### Share of electricity production from renewables, 2023

Renewables include electricity production from hydropower, solar, wind, biomass & waste, geothermal, wave, and tidal sources. Ember (2024); Energy Institute - Statistical Review of World Energy (2024) - with ...



### 2022 Share of Electricity from Renewable Energy Sources in ...

Summary In 2022 (calendar year), the share of renewables in Japan's total electricity generation including on-site consumption is estimated to be 22.7%, up only slightly from 22.4% in the previous year, and policies for further expansion are required. In 2022, solar



### [Key World Energy Statistics 2021 - Analysis](#)

IEA Key World Energy Statistics (KWES) is an introduction to energy statistics, providing top-level numbers across the energy mix, from supply and demand, to prices and research budgets, including outlooks, energy indicators and definitions. KWES is part of the

### U.S. energy facts

Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government Energy consumption and carbon dioxide emissions indicators Primary energy consumption per capita 279 million Btu per person Primary energy consumption per ...



### [Global renewable energy consumption 2023](#)

Basic Statistic Total U.S. consumption of renewable energy - outlook Basic Statistic Final consumption of renewable energy in the UK 2010-2023 Premium Statistic Share of renewable energy in global



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