# Solar power generation units

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This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200geographies.

You can find more about Ember's methodology in this document.

The Energy Institute Statistical Review of World Energy analyses data on world energy markets from the prior year.

All data and visualizations on Our World in Data rely on data sourced from one or several original data providers. Preparing this original data involves several processing steps. 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 adding or adapting metadata such as the name or the description given to an indicator.

At the link below you can find a detailed description of the structure of our data pipeline, including links to all the code used to prepare data across Our World in Data.

Our World in Data is free and accessible for everyone.

Help us do this work by making a donation.



Our World In Data is a project of the Global Change Data Lab, a registered charity in England and Wales (Charity Number 1186433).

The renewable power capacity data represents 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. The data is presented in megawatts (MW) rounded to the nearest one megawatt, with figures between zero and 0.5MW shown as a 0.

The data has been obtained from a variety of sources, including: the IRENA questionnaire; official statistics; industry association reports; and other reports and news articles.

Some technologies include others, following this schema:

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Web: https://www.kary.com.pl/contact-us/
Email: energystorage2000@gmail.com
WhatsApp: 8613816583346