

What is a solar energy map?

The map combines three open energy datasets and allows visitors to explore global power plants and U.S. solar and wind energy projects using text search and map visualization tools. It serves as both a traditional thermal energy plant map and a renewable energy map.

How many energy technology patents are there?

The treemap gives a broad overview how patents are distributed among different energy technologies. Total: 608127 energy-related patents between 2000 and 2024. IEA. Licence: CC BY 4.0 Which clean energy technologies have the most patents? The graph shows how patents are distributed among clean energy technologies, broken down into 13 categories.

Do solar power plants have a spatiotemporal distribution model?

Timely and accurate monitoring of the spatiotemporal distribution characteristics of solar power plants is essential to optimize China's renewable energy power distribution and achieve carbon reduction targets. However, long-term solar panel (SP) datasets are still lacking.

What is the Global Power Plant Database?

The Global Power Plant Database from the World Resources Institute (WRI) includes features for thermal and renewable energy power plants around the world: "The Global Power Plant Database is a comprehensive, open source database of power plants around the world.

Using this retrieval strategy, we assembled 242,631 solar energy patents, 74,800 wind energy patents, 37,675 biomass energy patents, 17,228 geothermal energy patents, 16,306 tidal energy patents, and ...

The graph shows the distribution of patents among 26 fossil fuel technologies, which are broken down by sector (upstream, processing and downstream, transmission and distribution).

The Global Solar Atlas provides a summary of solar power potential and solar resources globally.

Based on the global PV patenting data from 1970 to 2018, this paper reveals the network structure of international PV technological competition and further explores the competing relations ...

The Global Energy and Renewables Map is an interactive web map where you can explore global power plants and U.S. solar and wind projects.

World map of cumulative patents in photovoltaics (solar). Japan is the leading nation in terms of patent numbers, followed by the US and China (patent numbers through 2009 are shown in...

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Solar power generation patent distribution map

This dataset provides comprehensive, but by no means exhaustive information on patents filed for renewable energy worldwide. Data for the most recent years are not complete due to ...

This study constructs a big-data map of 322,761 solar technology patent diffusions among 175 countries from 1970 to 2022.

For solar technologies, it's useful to think about three broad categories of claims that might be pursued in a patent: materials, systems, and methods. In a nutshell, here's how that list breaks ...

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