



Solar power plant location map

Where can I find large-scale solar energy facilities?

All large-scale solar energy facilities can now be found on a single map thanks to a collaboration between the U.S. Geological Survey and the U.S. Department of Energy's Lawrence Berkeley National Laboratory. The interactive map is based on the United States Large-Scale Solar Photovoltaic Database (USPVDB) and is called the USPVDB Viewer.

Where can I find solar resource data?

Explore solar resource data via our online geospatial tools and downloadable maps and data sets. Access our tools to explore solar geospatial data for the contiguous United States and several international regions and countries.

How do I use the Global Solar Atlas?

Welcome to the Global Solar Atlas. Start exploring solar potential by clicking on the map. Select sites, draw rectangles or polygons by clicking the respective map controls. Calculate energy production for selected sites. The Global Solar Atlas provides a summary of solar power potential and solar resources globally.

Where can I find information on NREL's solar resource data development?

For more information on NREL's solar resource data development, see the National Solar Radiation Database (NSRDB). The maps below illustrate select multiyear annual and monthly average maps and geospatial data from the National Solar Radiation Database (NSRDB) Physical Solar Model (PSM). The PSM covers most of the Americas.

What is a large-scale solar facility?

The U.S. Energy Information Administration (EIA) classifies all solar facilities with capacities of one megawatt or greater as large-scale and those with capacities of less than one megawatt as small-scale.

How many solar farms are there in the world?

There are currently 10,550 solar power plants across the globe with a total capacity of 186,242.0 MW. How much electricity is generated from solar farms each year?

Located 80 km west of Qatar's capital, Doha, the Al Kharsaah Solar PV Independent Power Producer (IPP) project is the country's first large-scale solar power plant and is set to significantly reduce its environmental footprint. Al ...

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