



# Solar Power Generation Map HD

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.

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.

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.

What is the global solar power tracker?

The Global Solar Power Tracker is a worldwide dataset of utility-scale solar photovoltaic (PV) and solar thermal facilities. It covers all operating solar farm phases with capacities of 1 megawatt (MW) or more and all announced, pre-construction, construction, and shelved projects with capacities greater than 20 MW.

Is the Global Solar Atlas suitable for project-specific analysis of large power plants?

For project-specific analysis of large power plants, the data available via the Global Solar Atlas is suitable only for preliminary analysis. The PV yield estimates do not account for many important factors that can impact potential yield of a photovoltaic power plant.

What are the features of the Global Solar Atlas?

The Global Solar Atlas offers 4 key features: 1. Interactive maps Interactive maps allow visualisation of solar resource potential for a region and provide annual average values for each map click. 2. PV energy yield calculator PV yield calculator allows calculation of long-term energy yield for a custom-defined PV system.

What you will find in this map. The solar atlas for Ireland contains various 'Solar Energy' layers detailing the different components of solar irradiance and solar generation potential for the country. These layers include: Global Horizontal ...

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