



# Solar Photovoltaic Power Generation Data Card





## Overview

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Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. The Solar Power Generation Data dataset provides synchronized inverter-level AC/DC power and yield measurements together with plant-level weather sensor observations from two grid-connected photovoltaic plants in India over 34 days at approximately 15-minute resolution. It comprises four CSV files. The NREL PVDAQ is a large-scale time-series database containing system metadata and performance data from a variety of experimental PV sites and commercial public PV. It has two pairs of files - each pair has one power generation dataset and one sensor readings dataset.



## Solar Photovoltaic Power Generation Data Card

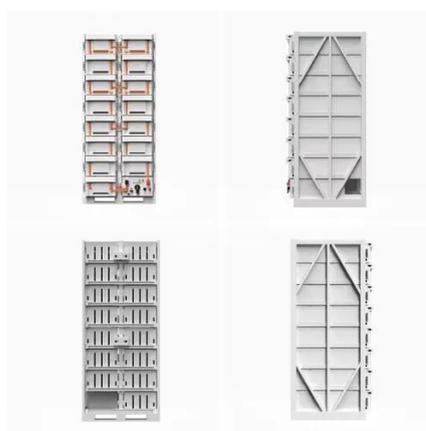


### [Solar Power Generation Data , IEEE DataPort](#)

Participants are required to use the provided dataset to analyze, visualize, and predict solar energy generation and weather patterns. The goal is to develop innovative solutions or insights ...

### [Solar Energy Data: Best Datasets & Databases 2026 , Datarade](#)

Discover the top solar energy data for 2026. Find reliable and up-to-date solar energy datasets and databases, including solar farm and solar power datasets. Explore on Datarade.ai for the best providers.



### **Solar power generation, 2025**

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...

### **NASA POWER , Homepage**

NASA POWER's Dependable Data Ensures Dependable Energy for U.S. Utility Company  
Reliable solar and weather data provides accurate performance monitoring for 360 community solar garden ...



## Dataset

This data packet contains supply curves, hourly generation profiles, and a composite siting exclusion TIFF for utility-scale PV across the contiguous United States .



## [Global Photovoltaic Power Potential by Country](#)

The Global Solar Atlas provides a summary of solar power potential and solar resources globally. It is provided by the World Bank Group as a free service to governments, developers and the general ...



## Solar Power Generation Data

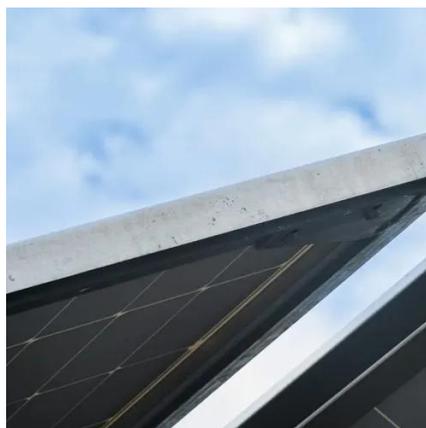
Solar power generation and sensor data for two power plants. This data has been gathered at two solar power plants in India over a 34 day period. It has two pairs of files - each pair has one power ...



## [Data and Tools , Solar Research , NLR](#)



Browse or search this comprehensive listing of data and tools for analyzing photovoltaic (PV) and concentrating solar power (CSP) technologies, solar grid and systems integration, and ...



## **Solar Resource Data, Tools, and Maps , Geospatial Data Science , NLR**

Solar Resource Maps and Data Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. Solar Supply ...

## **Solar PV**

Why is solar PV important? Solar photovoltaics (PV) is a very modular technology that can be manufactured in large plants, which creates economies of scale, but can also be deployed in very ...





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