

Solar Photovoltaic Power Generation National Directory



Overview

In 2020, LBNL and USGS began collaborating on development of the USPVDB to create an accurate, comprehensive, and publicly accessible national large-scale PV database of large-scale PV facilities that includes estimates of the total footprint (i. photovoltaic (PV) facilities with capacity of 1 megawatt or more. Explore solar resource data via our online geospatial tools and downloadable maps and data sets. Berkeley Lab, in collaboration with the U. Geological Survey (USGS), released the United States Large-Scale Solar Photovoltaic Database (USPVDB). Solar Photovoltaic Power Generation National Directory How many PV solar installations are there in the world?

The resulting dataset expands the previous publicly available facility-level data for PV solar energy by 432% (in number of facilities), including 18,449 new installations in China, 9,906. The U. Large-Scale Solar Photovoltaic Database (USPVDB).

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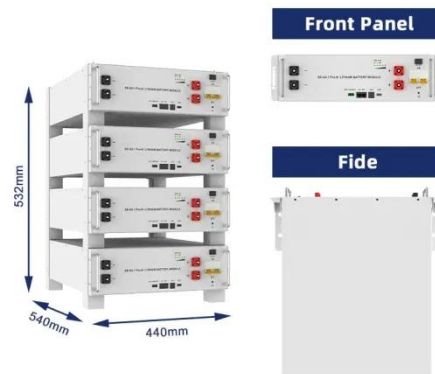
Solar State By State - SEIA

Explore the latest solar market insights and policy updates in all 50 states and Washington, D.C. All market data is current through Q3 2025. California leads as the top solar state. With over 54 GW of ...

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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 ...



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Georectified polygon database of ground-mounted large-scale solar

Over 4,400 large-scale solar photovoltaic (LSPV) facilities operate in the United States as of December 2021, representing more than 60 gigawatts of electric energy capacity.

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Viewer , USPVDB

The U.S. Solar Photovoltaic Database (USPVDB) provides the locations and array boundaries of U.S. front-of-the-meter, photovoltaic facilities, direct current capacity of 1 megawatt or more, that became ...

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Photovoltaics

Photovoltaic (PV) technologies - more commonly known as solar panels - generate power using devices that absorb energy from sunlight and convert it into electrical energy through semiconducting ...

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A solar photovoltaic power plant is a regular power plant that converts solar energy into electricity through the photovoltaic effect. This effect occurs when sunlight photons

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U.S. Large-Scale Solar Photovoltaics Database

The USPVDB is a detailed and comprehensive dataset of ground-mounted large-scale solar (LSS)



photovoltaic energy facility locations and their attributes in the United States. The data ...

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

Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. View an interactive map or download ...

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The U.S. Large-Scale Solar Photovoltaic Database

The U.S. Large-Scale Solar Photovoltaic Database provides the locations and array boundaries of U.S. photovoltaic facilities, with capacity of 1 megawatt or more.

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New database maps large-scale solar projects across the country

The USPVDB is a comprehensive dataset of U.S. large-scale solar PV energy project locations and characteristics that makes the data easier to access and more accurate than existing ...

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