

Division of energy storage areas for photovoltaic projects



Overview

Large-Scale Solar Photovoltaic Database provides the locations and array boundaries of U.S. photovoltaic facilities, with capacity of 1 megawatt or more. The Office of Electricity's (OE) Energy Storage Division's research and leadership drive DOE's efforts to rapidly deploy technologies commercially and expedite grid-scale energy storage in meeting future grid demands. The Division advances research to identify safe, low-cost, and earth-abundant. Deciding where solar projects will be installed is one of the very first decisions to be made in a project development timeline. Accelerated by DOE initiatives, multiple tax credits under the Bipartisan Infrastructure Law and. There are two main types of solar energy technologies—photovoltaics (PV) and concentrating solar-thermal power (CSP). These devices, known as solar cells, are then connected to form larger power-generating units.

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[Photovoltaics , Department of Energy](#)

Projects in this research area are managed by the photovoltaics team and the manufacturing and competitiveness team. Learn more about SETO's funding programs and current funding opportunities.

Solar Energy

Solar energy is the fastest growing and most affordable source of new electricity in America. As the cost of solar energy systems dropped significantly, more Americans and businesses ...



[DOE Global Energy Storage Database](#)

The DOE Global Energy Storage Database provides research-grade information on grid-connected energy storage projects and relevant state and federal policies. All data can be exported to Excel or ...

[U.S. 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.



Energy Storage

The Office of Electricity's (OE) Energy Storage Division accelerates bi-directional electrical energy storage technologies as a key component of the future-ready grid.



ENERGY STORAGE PROJECTS

The Department of Energy (DOE) Loan Programs Office (LPO) is working to support deployment of energy storage solutions in the United States to facilitate the transition to a clean energy economy.



[Solar Energy Technologies Office](#)

The U.S. Department of Energy Solar Energy Technologies Office (SETO) has developed online resources to help those who want to go solar or who work with solar energy.



Codes and Standards

The project team provides leadership and technical assistance in partnering with industry experts for accelerating revisions to these foundational codes and standards governing PV system ...



[Large-Scale Solar Siting Resources , Department of Energy](#)

The U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) conducts research to reduce the cost and impact of siting solar. We've answered some common questions about large ...

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