



The most advanced solar power generation in the United States

The latest release includes data on 5,712 facilities covering 49 states (plus the District of Columbia). The most recent facilities added to the USPVDB became operational as recently as the third quarter of 2024.

With a capacity of 290 MW, the Agua Caliente Solar Project in Arizona from First Solar represents one of the most technically advanced projects underway. It serves as a model for ...

Explore the top 5 ambitious renewable energy projects in the U.S., featuring solar, offshore wind, and battery storage set to transform the energy landscape.

In a sun-drenched Nevada desert, the Gemini project became America's largest dispatchable single-phase solar + storage system, powering up to 10% of Nevada's peak demand.

Let's explore the largest solar power plants operating in the U.S. as of 2025, highlighting several key projects that are driving the nation's renewable energy transition.

As of September 2024, the Ferrero USA DeGiovanni Franklin Solar PV Plant, located in New Jersey, held the largest installed capacity in the United States, reaching 983 megawatts in each ...

Several large-scale solar farms are expanding their capacities with advanced technologies to meet the peak demand and increased demand for solar electricity generation.

Many of the world's biggest and most productive photovoltaic stations and farms are located in the United States. The nation boasts dozens of solar PV plants whose capacity exceeds 200 megawatts.

The Major Solar Projects List is a database of all ground-mounted solar projects, 1 MW and above, that are either operating, under construction or under development.

The United States conducted much early research in photovoltaics and concentrated solar power. It is among the top countries in the world in electricity generated by the sun and several of the world's ...



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