



US research focuses on solar power generation

NLR's solar energy research leverages our expertise--from materials to systems to commercialization--to continually improve the affordability, performance, and reliability of this ...

Explore each of the research areas below and the research topics within them. You can also learn about the basics of solar energy and find solar energy resources.

The Center's research vision is to enable the US and the world achieve a zero-carbon footprint by 2050 using solar energy as a resource. There are currently two research sites in the Center: Colorado ...

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information Administration's (EIA) latest release of its Electric ...

[3] 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 ...

Our photovoltaic (PV) research is improving the affordability, reliability, and manufacturing of commercial PV technologies. We also discover and develop next-generation PV technologies that ...

Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. Renewables now dominate new power generation capacity, while new domestic clean energy ...

Climate Central's new report, A Decade of Growth in Solar and Wind Power, analyzed U.S. solar and wind energy data from 2014 to 2023 for all 50 states and the District of Columbia.

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory ...

In our latest Short-Term Energy Outlook (STEO), we expect U.S. electricity generation will grow by 1.1% in 2026 and by 2.6% in 2027, when it reaches an annual total of 4,423 BkWh.



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