
Wind Solar and Storage Clean Energy

Explore what 2025 holds for clean energy--from solar and wind growth to storage innovations and grid modernization. Key insights from FFI Solutions.

A January 2023 snapshot of Germany's energy production, broken down by energy source, illustrates a Dunkelflaute -- a long period without much solar and wind energy (shown ...

Clean energy continues to dominate new power capacity. For example, in 2024, more than 90% of all new electricity capacity worldwide came from renewable sources such as ...

Solar power has become more affordable and efficient and, combined with storage solutions, will play a vital role in the global clean energy transition.

A Wind-Solar-Energy Storage system integrates electricity generation from wind turbines and solar panels with energy storage technologies, such as batteries. This ...

Consequently, this article, targeting the current status of multi-energy complementarity, establishes a complementary system of pumped hydro storage, battery ...

To this end, this paper proposes a robust optimization method for large-scale wind-solar storage systems considering hybrid storage multi-energy synergy. Firstly, the ...

This article proposes a coupled electricity-carbon market and wind-solar-storage complementary hybrid power generation system model, aiming to maximize energy ...

The global energy landscape is undergoing a dramatic shift marked by the accelerating deployment of wind and solar technologies. Driven by compelling economics and ...

David Fishman of Asia energy economics consulting firm Lantau talks about the massive scale of every form of renewable generation in China.

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