



Solar power generation is not enough

The technology to generate electricity with wind and solar has existed for decades. So why isn't the U.S. grid already 100% renewable?

Focused on project-level applications like industrial users and utility developers, the report shows how batteries are now cheap enough to unlock solar power's full potential.

This case study provides an illustrative example of a power grid where renewable generation (solar) will be more readily available during the day than at night.

Five insights from the book *Power Metal* on why renewable energy and EVs alone won't fix the climate crisis.

Here, we present a systematic analysis of the ability of specified amounts of solar and wind generation to meet electricity demands in 42 major countries across a range of assumptions...

As of yesterday's data release by the Energy Information Administration (EIA), which covers the first nine months of 2025, total electricity demand has risen by 2.3 percent. That ...

And there is also the natural tendency for the market to grow, requiring more energy to power more businesses and homes. Meanwhile, there is not enough supply to meet growing demand ...

While solar energy offers numerous advantages, including being renewable, abundant, and relatively clean, there are several reasons why it may not be sufficient to meet the world's growing energy ...

So whereas we'd like to believe that building wind and solar farms will allow us to close dirty power plants, it's not so. Those old fossil-fueled plants have to be kept online to power the grid ...



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