



Solar power grid connection and capacity expansion

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Grid-eXpand™ is our range of modular and prefabricated grid connection solutions that make it faster, simpler and more efficient to expand power grid capacity and accelerate the transition to a more ...

As reported in our flagship Queued Up report, grid connection requests active at the end of 2023 were more than double the total installed capacity of the US power plant fleet (2,600 GW vs. ...

U.S. power plant developers and operators plan to add 86 gigawatts (GW) of new utility-scale electric generating capacity to the U.S. power grid in 2026 in our latest Preliminary Monthly ...

Battery storage will continue its rapid expansion, enabling higher penetration of solar and wind on the grid. As storage costs fall further, renewable portfolios will increasingly operate like ...

Here, we quantitatively document the challenges of processing the rapid rise of grid connection proposals across the United States and discuss opportunities for institutional reform.

Results from the capacity expansion analysis show that approximately 85% of new power capacity deployed in the Western US by 2050, ...

Although generating capacity and demand grow, grid interconnection remains one of the top challenges for renewable energy.

From Texas-sized utility projects to skyrocketing residential battery attach rates, 2026 marks the year solar and storage transition from the electric grid's fastest-growing additions to its ...

The surging volume of clean energy capacity in the queues points to a major and imminent transformation of the US power system, but the growing backlog is also evidence of a ...



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Optimizing interconnection capacity and co-location can reduce total grid connection and shorter-distance transmission capacity expansion on the order of 10% at storage penetration ...

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