

This article discusses five new technologies that enhance solar energy and make it more accessible and eco-friendlier. These technologies include agrivoltaics, floating solar arrays, high-powered ...

Current commercially available solar panels convert about 20-22% of sunlight into electrical power. However, new research published in Nature has shown that future solar panels ...

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027. Almost 70 ...

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed ...

Solar electricity is growing rapidly, but can it really dominate the global energy system? Here is what it will take for us to power the planet on sunshine

Our nation has abundant solar, water, wind, and geothermal energy resources, and many U.S. companies are developing, manufacturing, and installing cutting edge, high-tech renewable energy ...

Companies like Tesla, CATL, and Fluence are deploying battery farms that can store megawatts of solar power and release it on demand. Meanwhile, "smart grids" enabled by AI and ...

Renewables now dominate new power generation capacity, while new domestic clean energy manufacturing facilities are popping up around the nation. However, headwinds are also ...

Solar and wind are growing fast enough to meet all new electricity demand worldwide for the first three quarters of 2025, according to new data from energy think tank Ember.

Discover the latest innovations and trends shaping the future of solar energy innovations, from advanced photovoltaic technologies to energy storage solutions and sustainable power systems.

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