

# UTILITY-SCALE PV STORAGE



We expect solar to account for the largest share of new capacity in 2024, at 58%, followed by battery storage, at 23%. Solar. We expect a record addition of utility-scale solar in 2024 if the scheduled 36.4 GW are added to a?|



Berkeley Lab's "Utility-Scale Solar, 2024 Edition" presents analysis of empirical plant-level data from the U.S. fleet of ground-mounted photovoltaic (PV), PV+battery, and concentrating solar-thermal power Adding battery a?|



The abundance of solar energy is pushing down mid-day wholesale power prices and, therefore, shrinking margins. Adding storage to an existing solar project allows flexibility through dispatchability and, therefore, a?|



This year scenario assumptions for utility-scale PV plus battery energy storage system (BESS) were derived using the standalone cost projections of PV & battery systems and are not based on learning curves or deployment a?|



Grid-scale storage can play an important role in providing reliable electricity supply, particularly on a system with increasing variable resources like wind and solar. Economics, public policies, and market rules all play a role in a?|



Solar deployment in the U.S. is expected to grow 40% this year, and by 2024, it is expected to reach 30 GW per year, or roughly 50% higher than 2022 totals. Much of this rapid growth in deployment will be carried by large, a?|

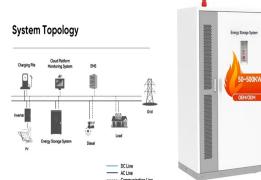
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U.S. utility-scale solar had a record installation year in 2023 and is forecast to nearly double its record year in 2024. Solar and batteries are dominating the project queues. a?|



Solar and storage analyst Sunwiz said 2023 was the year of the big battery, with a record number of large-scale battery energy storage systems featuring almost 1 GW/1.5 GWh of combined capacity



As the global energy transition accelerates, utility-scale photovoltaic (PV) power plants are evolving from pure generation assets into flexible energy hubs. A major step in that evolution a?|



Solar & Storage North America 2025 - The U.S energy storage market size surpassed \$60.3 billion in 2022 and is anticipated to grow at 15.4% CAGR from 2023 to 2032 to meet energy transition goals. Houston) unites 200+ solar a?|



Utilities and grid operators often say that utility-scale battery storage is "a new tool in the toolbox," referring to the many ways battery storage can support the grid. Storage can a?|