



Renewables are projected to make up the bulk of the power mix into the future. Low-carbon energy sources are projected to grow, accounting for 65 to 80 percent of global power generation by 2050, depending on the scenario, up from 32 percent today.



Renewables 2024 offers a comprehensive country-level analysis on tracking progress towards the global tripling target based on current policies and market developments. Additionally, it assesses the challenges to faster expansion.

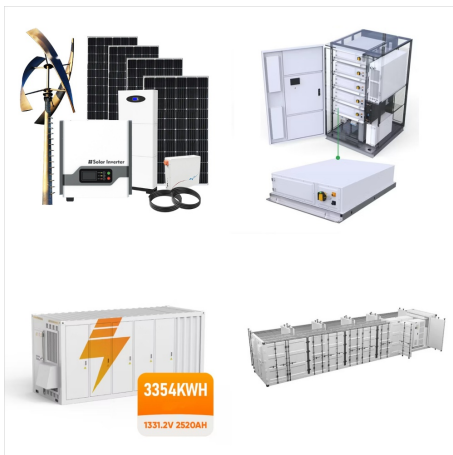


Solar and wind are the fastest-growing renewable energy sources in the U.S. In 2019, wind generation surpassed the amount of electricity generated from hydropower ??? a longtime leader in

RENEWABLE ENERGY TRENDS 2024



Solar and wind power are on track to surpass coal as the world's top source of energy by early 2024. Low-emissions sources such as hydro and nuclear also play a crucial role in reaching renewable goals. Record investments in renewable technologies such as solar panels point to a greener future.



The impact of unprecedented investment in renewable infrastructure will likely become more apparent in 2024. Regulatory boosts to renewable energy and transmission buildout could help address grid constraints.



Global renewables growth set to outpace current government goals for 2030. Global renewable capacity is expected to grow by 2.7 times by 2030, surpassing countries' current ambitions by nearly 25%, but it still falls short of tripling. Climate and energy security policies in nearly 140 countries have played a crucial role in making renewables

RENEWABLE ENERGY TRENDS 2024



Renewable energy consumption in the power, heat and transport sectors increases near 60% over 2024-2030 in our main-case forecast. This increase boosts the share of renewables in final energy consumption to nearly 20% by 2030, up from 13% in 2023.