

Sungrow and AGL to advance Agrivoltaics in Australia to facilitate sustainable farming

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As the agricultural sector embraces clean energy to enhance sustainability and resilience, Sungrow has collaborated with renowned energy provider AGL Energy to power the Kerarbury almond farm in Griffith, New South Wales. By integrating state-of-the-art storage technology with solar energy, the project marks a significant step toward reducing reliance on fossil fuels while ensuring a stable, cost-effective, and sustainable energy supply for local farms.

This project is equipped with Sungrow's leading-edge solutions, featuring the SG4950HV-MV PCS and PowerTitan Liquid-cooled energy storage system (ST2293UX battery units), seamlessly integrated with over 10,000 solar panels. It has a total installed capacity of 5.99 MW and generates approximately 14,000 MWh of clean electricity annually. This transition is expected to cut **7,500 metric tons of CO₂ emissions per year**, significantly decreasing the agricultural sector's dependence on traditional, non-renewable energy sources.

AGL Energy is one of Australia's leading integrated energy companies, providing electricity, natural gas, and renewable energy solutions to over 4.2 million customers while spearheading the country's clean energy transition

Agriculture plays a vital role in Australia's economy, yet rising energy costs and environmental concerns pose increasing challenges. By leveraging Sungrow's advanced Battery Energy Storage System (BESS) technology, the project achieves an estimated 83% renewable energy penetration rate, enabling farm operators to lower operational costs, stabilize energy supply, and increase profitability. This initiative highlights the potential of agrivoltaics in transforming farming operations, ensuring long-term economic and environmental benefits.

Joe Zhou, Country Director of Sungrow Australia, stated: "This project demonstrates how renewable energy can transform agriculture. By working with AGL, we are enabling farmers to harness clean energy reliably and cost-effectively while contributing to a more sustainable future."