



Battery storage papua new guinea

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PNG Solar Supply is providing renewable energy solutions across the country. As a subsidiary and the commercial arm of the South Pacific International Academy, all profits from PNG Solar Supply are reinvested into the school's expansion efforts. This unique business model allows the company to contribute both to energy sustainability and educational growth in PNG.

One of PNG Solar Supply's flagship projects is the Kanabea Mini-Grid, located deep in the hinterlands of Gulf Province. This mini-grid system features a 103 kWp solar array supported by 122 kWh of battery storage utilizing advanced lithium iron phosphate batteries. This project is funded by USAID and Kerema DDA, under the direction of Petroleum and Energy Minister Honourable Thomas Opa.

The system connects 41 buildings, including a rural health centre, a church, and a primary school, providing reliable energy to essential services. This project highlights the company's ability to bring sustainable energy to even the most isolated regions of the country.

PNG Solar Supply is proudly Papua New Guinean-owned and operated and has supplied 23 projects across PNG, providing much-needed employment opportunities for local communities.

With a commitment to designing and procuring solar-powered systems, the company has delivered energy infrastructure for numerous communities, most notably in remote and underserved regions.

"PNG Solar Supply is the wholesale supplier of solar products throughout PNG. We focus on providing high quality materials at the lowest cost, seeking to utilise economies of scale to make it possible for local installers to implement solar projects at competitive costs," Samuel stated.

He also expressed satisfaction with the growing adoption of renewable energy in the nation, noting: "It is very satisfying to see renewable energy being installed across the nation."

"For so long, diesel generators have filled this need, and those have been so harmful to the environment, not to mention the difficulty in logistics to just refuel them. Now users are getting solar panels that generate power for 25 years without having to think about it. This is very satisfying."

PNG Solar Supply is capable of handling projects of any size, from single-family homes to larger mini-grid installations. Their solar panels come with a 30-year warranty, while inverters and batteries are designed to last up to 10 years, ensuring long-term reliability.

Another notable project includes the design and procurement of solar power infrastructure for a surf resort in Vanimo, West Sepik Province. The 4.3 kWp solar array installed at the resort has 7.6 kWh of battery storage,



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powered by LifeLink X technology, and connects five bungalows to the main power house, backed by a 5kVA generator.

By empowering PNG businesses and communities with clean, renewable energy, PNG Solar Supply is playing a key role in the nation's transition to sustainable development.

PNG Solar Supply offers a full-service approach to solar energy projects, ensuring clients receive the highest level of service from start to finish. Their services include:

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