



## Niue lithium-ion energy storage project

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The Ministry of Infrastructure celebrated the soft launch of Niue's New Power Station on the 7th November. The launch marks a critical milestone in Niue's journey to strengthen and modernize its energy infrastructure. The journey began in 2014 through the support of the Australian Department of Infrastructure. The 12V lithium battery surpasses expectations by being versatile, compact and more powerful than its lead-acid counterparts. It's the perfect combination of size and capacity to fit many applications including, RV, marine, solar energy systems and more. Do solar batteries have backup power for on in South Australia since December. The Hornsdale Power Reserve provides two distinct services: 1) energy arbitrage; and 2) contingency spinning reserve and capacitors, can store electrical energy. Batteries are considered to be well-established energy storage technologies that include notable examples like the Hornsdale Power Reserve. Niue is a raised atoll in the South Pacific showcasing one of the world's largest coral islands. This power system provides energy to the administrative sector of Niue as well as a local mine site that utilises a heavy duty rock crusher. Daily load ranges from 400kW to 600kW. The solar PV plant The Comoros Solar Energy Access Project is set to revolutionize the energy infrastructure of the Comoros by integrating solar power with advanced storage solutions. The project includes the construction of solar power plants on the islands of Grand Comore, Anjouan, and Mohéli. The contracts were awarded to the Government of Niue | Niue Renewable Energy.

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Niue's new Power Station soft launch marks a significant step in energy infrastructure. In addition to Australia's support, the New Zealand Government contributed \$2.5 million to relocate and restore Niue's Battery Energy Storage System (BESS). This funding has allowed the Ministry to proceed with the Solar PV, Battery Energy Storage System (BESS) and electrical grid upgrade project in Niue. The current scope of the project includes the construction of a 3MWh lithium ion battery energy storage solution (BESS) connected to the grid at Niue's power station. Vector PowerSmart's state-of-the-art energy storage solution is being installed. The Government of Niue | Niue Renewable Energy.

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