## SOLAR PRO.

## Seychelles lithium battery power station

Masdar, the Abu Dhabi future energy company, will help the Public Utilities Corporation (PUC) in building a five-megawatt (MW) solar photovoltaic (PV) power plant with battery storage in the Republic of Seychelles.

The Campbell Industrial Park Generating Station - Battery Energy Storage System is owned by Hawaiian Electric (100%), a subsidiary of Hawaiian Electric Industries. The key applications of the project are electric bill management, resiliency and reliability.

New technology Lithium Ion batteries are ideal for domestic off-grid solar PV systems or boat PV kits. These batteries are lighter and more compact than traditional lead acid batteries. In addition, they also have a longer lifespan and higher depth of discharge.

Sustainable Power Solutions is Seychelles" leader in electric vehicle sales, repairs, maintenance & upgrades. We are the authorised Seychelles agents for HDK & NIU Electric vehicles, Trojan Batteries & Kenda Tyres.

While most solar PV systems that are co-located with battery storage have in past been AC-coupled, requiring two separate inverters, one for the solar and one for the battery system, there has since about 2018 been a rise in the number of project developers and designers electing to go DC-coupled.

Seychelles upping its renewable energy electricity capacity. Seychelles relies heavily on fossil fuels to meet its electricity demand, with fossil fuels accounting for around 20% of the country"'s imports. The country has set a target of 5% renewables by 2020 and 15 percent by 2030.

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The solar modules are strategically positioned to face the East & West for optimal sunlight exposure. Complemented by a 6.2MWh Lithium-Ion battery storage, the solar solution efficiently meets the island's power demands, even during high season when the demand reaches 1.2MVA.

The battery storage plant will help with stable supply of electricity from the PV power plant to the main island of Mahé and to increase the resilience of the national grid of the...

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