

## SolarTech Power Solutions

# Seychelles current energy storage power station



## Overview

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The Seychelles Energy Storage Station isn't just another infrastructure project - it's the backbone of an island nation's quest to marry sustainability with reliability. Let's unpack how this Indian Ocean paradise is rewriting the rules of energy storage. With tourism contributing over 25% of GDP.

(Seychelles News Agency) - Seychelles' main power station, located at Roche Caiman on Mahe Island, is to be expanded by 18MW, the Public Utilities Corporation (PUC) announced recently. With the installation of two new 8MW generator sets, this will bring the total capacity to 92MW at that particular.

With 90% of their electricity historically relying on imported diesel fuel \*, power costs hover around \$0.35/kWh - triple the global average. But here's the kicker: these islands get over 2,200 hours of annual sunshine. So why aren't they energy-independent yet?

The answer lies in storage. Enter.

The Ile de Romainville Solar Park is a 5-megawatt (MW) solar photovoltaic (PV) power plant with battery storage in the Republic of Seychelles. The project includes an energy storage system with a capacity of 5MW and 3.3 megawatt-hours (MWh), allowing for the safe and stable supply of electricity.

solar PV plant with battery storage. The Republic of Seychelles has inaugurated its second clean energy project, a 5MW the national grid of the Seychelles. It is estimated that the project will save approximately 2 million

liters of fuel annually and offset 6,000 tons of CO<sub>2</sub> to meet its electricity.

Roche Caiman Power Station (also known as Victoria C Power Station) is a diesel-powered power station in Mahé, Seychelles. The power station was commissioned in 2015 with an installed generation capacity of 58 MW. In October 2023, a 33kV underground transmission network project funded with \$30.9 million was completed.

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