



# St Kitts and Nevis large home battery

Does St. Kitts already have a solar PV system?

St. Kitts will receive 30 - 35% of its annual electricity demand from a solar PV system as part of a new project. The solar and storage system will supply sustainable solar energy with zero emissions and replace over 4,000,000 gallons of diesel per year. The energy will be provided under a fixed-price PPA for a period of 25 years.

How much does electricity cost in St Kitts & Nevis?

The electricity rates in the Federation of St. Christopher (St. Kitts) and Nevis are \$0.26 per kilowatt-hour (kWh). This is lower than the Caribbean regional average of \$0.33/kWh.

What is the voltage in Saint Kitts and Nevis?

In Saint Kitts and Nevis, the power plugs and sockets are of types A, B, D, and G. The standard voltage is 110 V, 230 V. What is Saint Kitts and Nevis known for?

When will Skelec start supplying Solar energy to St Kitts?

The project is scheduled to start construction in the second quarter of 2024 and start providing the solar energy to SKELEC in 2025. With the execution of the amended 25-year PPA and other related documents, the project is putting St. Kitts at the leading edge of renewable energy integration worldwide.

What does PPA stand for in St Kitts & Nevis?

The Government of St. Kitts and Nevis, along with SKELEC, the state-owned St. Kitts Electricity Company Ltd, have executed an amended Power Purchase Agreement (PPA) with SOLEC Power Ltd, a subsidiary JV of Leclanché, for the solar photovoltaic and battery storage project located in Basseterre.

How can Leclanché help St Kitts achieve a significant milestone?

Leclanché's contribution will be significant in helping St. Kitts achieve a noteworthy milestone through the utilization of Leclanché's cutting-edge battery technology and wealth of experience. This will enable St. Kitts to attain over 30% penetration of renewables.

The solar project on St. Kitts will be oversized, allowing a portion of that electricity to meet current electric demand on the island, and the remainder to charge the large-scale battery storage system to meet island demand after the sun sets.

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and Battery Storage Facility.

BASSETERRE, SAINT KITTS (Press Secretary): The Government of Saint Kitts and Nevis and the St. Kitts Electricity Company Ltd (SKELEC) have executed an Amended Power Purchase Agreement (PPA) with project developer SOLEC Power Ltd for the largest solar PV and battery energy storage project in the Caribbean.

The Project, scheduled for completion in 2025, will provide Saint Kitts with 35.7 MW of solar capacity and 43.6 MWh of battery storage for the delivery of clean, renewable, and reliable energy for 25 years.

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The project will provide the island of St Kitts with 35.7 MWp of solar capacity representing 30 - 35% of the annual electricity demand and 43.6 MWh of battery storage ; The landmark infrastructure project will replace over 4,000,000 gallons of diesel per year providing a cost reduction of up to 40% compared to current diesel power generation

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