



# St Vincent and Grenadines best home solar battery storage

Located on Union Island, the 600kW solar PV plant is connected to a 637 kilowatt-hour (kWh) lithium-ion battery, extending its generating capacity to supply all of Union Island's daytime power requirements. The project represents Masdar's first fully implemented grid-connected battery energy storage system.

A photovoltaic system will be added to the generation mix on Union Island in keeping with a mandate by the Government of St Vincent and the Grenadines (SVG) and St Vincent Electricity Services Limited (VINLEC) to increase the penetration of renewable energy in the production of electricity.

There was a 23% increase in the all-time peak demand during the recent Christmas holidays. Battery storage and higher PV penetration projects are being contemplated for Bequia and St. Vincent to act in conjunction with yields from geothermal production.

The battery storage system will help Mustique to increase the contribution of solar energy on the island and to reduce its carbon footprint. Mustique has the goal to increase renewable share to over 75% by 2024 and reduce the emissions by 22% by 2025, in line with St. Vincent & The Grenadines' commitment to the Paris Climate Agreement.

The Commissioning of the Union Island Solar PV and Battery Energy Storage System on March 25, has been hailed as a significant milestone in the energy sector of St Vincent and the Grenadines. Officials and stakeholders involved in the local energy sector have said this project is a game changer which is expected to bring numerous benefits ...

The Mayreau Microgrid Solar Project is in its final stage, which is the testing and commissioning of the solar photovoltaic (PV) and Battery Storage system. St. Vincent Electricity Services Limited (VINLEC) and the Rocky Mountain Institute - Carbon War Room (RMI-CWR) partnered on this initiative which introduced renewable energy for electricity ...

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3 ???&#0183; The project will increase the supply of sustainable, low-carbon energy to the national grid in Saint Vincent and the Grenadines.



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The most recent projects are a 580kW PV and battery energy storage system on Union Island, which was commissioned in 2019, and a 100kW solar microgrid on Mayreau island, which was commissioned in February 2020. St Vincent and the Grenadines is comprised of the main island of St Vincent and a chain of smaller islands, not all of which are inhabited.

EcoDirect designs and supplies solar + battery projects in St Vincent and the Grenadines. Our team has the tools and experience to get your next project designed and delivered.

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