

# **Bonaire Sint Eustatius and Saba off grid solar system with battery backup**





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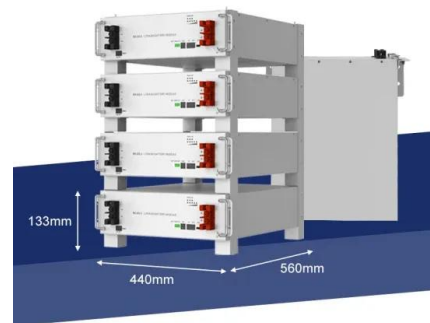


### Caribbean Island Rolls Out Battery Energy Storage

Grid power and electricity service on the Caribbean island of Bonaire has improved substantially as a result of the addition of a new, smart, battery-based energy storage system (BESS) to its hybrid wind-dual-fuel engine-based power grid .

### Caribbean utility launches tender for PV, wind, battery ...

According to tender documents, the Saba Renewable Energy Project Phase III will include a 4 MW solar plant, a 0.5 MW wind farm, and a 15 MWh battery energy storage system on the island in



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### Flagship Project in the Caribbean:

The PV farm on the island of St. Eustatius, which includes one of the largest lithium battery storage systems, went into operation in March 2016. Thanks to the SMA Fuel Save Controller, the island is now saving 800,000 liters of diesel a



year.



### Caribbean island of Bonaire

The energy storage system will enable Bonaire, part of the Netherlands Antilles, to increase its use of renewable energy such as wind and solar. In order to integrate more renewable energy and its intermittent nature, the Wartsila energy storage solution will provide the grid stability and reliability required for the island.



### Energy Snapshot Bonaire

Bonaire This profile provides a snapshot of the energy landscape of Bonaire, a special municipality of the Kingdom of the Netherlands located off the coast of Venezuela. Bonaire's utility rates are approximately \$0.35 per kilowatt-hour (kWh), above the Caribbean regional average of \$0.33/kWh. Bonaire is a leader



### Flagship Project in the Caribbean: PV Hybrid System on the Island ...

The challenge: Supply a smart combination of a 2 MWp PV farm and diesel generators; introduce the largest lithium battery storage system in the Caribbean; use the latest SMA products; and develop a new monitoring platform--within the space of just nine months.





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## ESS



 LFP 280Ah C&I

## Caribbean Island Bonaire Balances Solar, Wind, & Diesel With ...

Caribbean island Bonaire is adding a 6 megawatt energy storage system to help balance its solar and wind assets with backup diesel generators, opening up the potential for greater renewable

## More than 33 Million Euros for Sustainable Electricity

The government makes 33.6 million euros available for an accelerated switch to sustainable electricity in Bonaire, St. Eustatius and Saba. This means within 3 years, an average of about 80 percent of the electricity on the three islands will ...



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## Solar battery storage system installed in Saba

Saba Electric Company is the sole supplier of electricity on Saba, and celebrated the island running on 100% solar for the first time. This is SMA's latest project, with a completed solar and storage system on the island of Eustatius which doubled the capacity of ...



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