

## SolarTech Power Solutions

# Barbados power generation container price



## Overview

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What is the Barbados national energy policy (BNEP)?

This Barbados National Energy Policy (BNEP) document is designed to achieve the 100% renewable energy and carbon neutral island- state transformational goals by 2030. These include: Provision of reliable, safe, affordable, sustainable, modern and climate friendly energy services to all residents and visitors.

What is the renewable Barbados Project?

The Renewable Barbados Project is expected to contribute to achieving these goals by introducing a 24-hour dispatchable climate-resilient baseload solution for Barbados. The power system will consist of a solar power plant, a battery storage system, a hydrogen storage with electrolysis system, and fuel cells.

Is biomass a source of electricity in Barbados?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important source in lower-income settings. Barbados: How much of the country's electricity comes from nuclear power?

Nuclear power - alongside renewables - is a low-carbon source of electricity.

How will the Barbadian power system work?

The power system will consist of a solar power plant, a battery storage system, a hydrogen storage with electrolysis system, and fuel cells. These steps will pave the way for a more sustainable and climate-resilient economy to the benefit of the Barbadian people.

Does Barbados need a BNEP?

The BNEP provides a basis for building on these successes while seeking to

expand the use of these and other renewable energy technologies such as wind and biofuels. However, even as Barbados promotes the development of renewable energy, there are ongoing plans to explore for fossil fuel resources offshore.

Does Barbados rely on fossil fuels?

Barbados currently relies on imported fossil fuels for around 95 per cent of its power generation. This dependence not only makes the country vulnerable to oil price fluctuations, but also contributes to nearly one-third of its greenhouse gas (GHG) emissions.

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