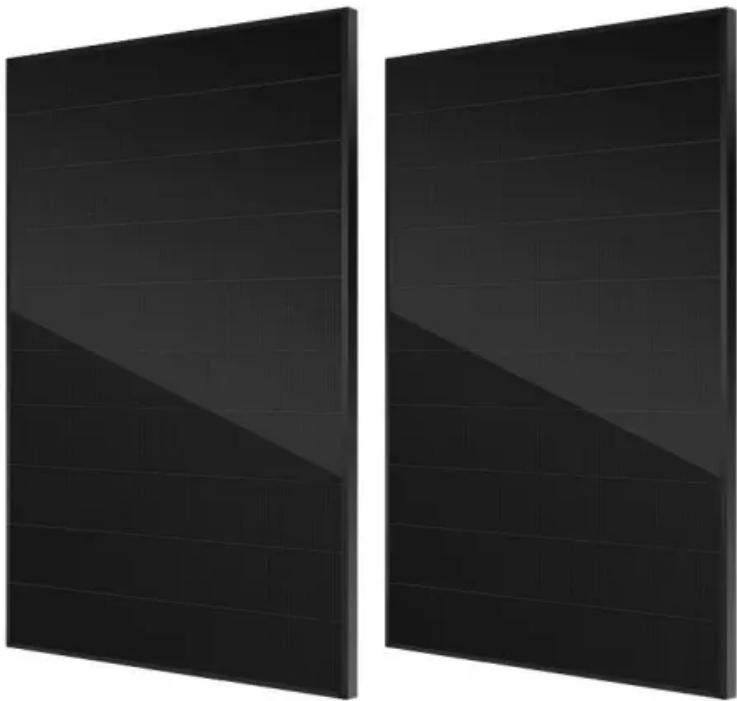




SolarTech Power Solutions

Cape Verde Go Outdoor Power



Overview

Cape Verde aims to get 50% of its electricity from resources by 2030 and 100% by 2050. This coincides with aims to bring down energy import costs and help the environment by reducing . The country has integrated wind and solar in its energy system. It also has the potential to utilize emerging technologies as .

How much energy does Cape Verde produce?

Cape Verde is a net importer of energy, with no significant fossil energy resources. As of 2016, 176,743 tonnes of fuel (about 3,550 barrels per day) were sold on the internal market. Electricity production was 443 GWh in 2016, of which 81% from thermal power, 17% from wind power and 1.4% from solar power.

Does Cape Verde have solar power?

In 2012 Cape Verde had an installed electricity generation capacity of around 300 MW, of which about 24% from wind power plants and 3% from photovoltaic stations. While solar power has an enormous potential as a source of renewable energy, natural conditions in Cape Verde are one of the best in the world for the production on wind energy.

Who produces electricity in Cape Verde?

Electra serves all islands of Cape Verde except Boa Vista, where electricity and water are produced and distributed by the public-private company Águas e Energia de Boavista. Other smaller electricity producers are Cabeólica, which operates four wind parks, Águas de Ponta Preta on the island of Sal, and Electric Wind on Santo Antão.

What will Cape Verde's new solar plant do?

The new solar plant will make Cape Verde one of the leading nations in the use of renewable energy within the region thus laying the foundation for what could be a more sustainable form of energy besides the traditional dependence on fossils. Read also Mtentu Bridge: Africa's Tallest and Longest Cantilever Bridge.

Does Cape Verde have biomass?

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. Cape Verde: How much of the country's electricity comes from nuclear power?

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

Is Cape Verde a viable alternative to fossil fuels?

Solid waste can also represent an adequate option while ocean and geothermic energy are being tested, with uncertainties remaining as to their efficiency. Cape Verde has an estimated potential of 2,600 MW of renewable energy, and more than 650 MW have been studied in concrete projects, which have lower production costs than fossil fuels.

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