

PDEOZE PowerContainer

Mauritania s solar power generation and energy storage



Overview

Mauritania launches a pioneering hybrid solar-wind plant with integrated storage, ensuring reliable power and accelerating universal energy access. What is Mauritanian solar energy?

This 50 MW solar energy plant, funded by both the Mauritanian government and the Arabic Fund for Economic and Social Development with a \$53 million investment, is made up of 540 panels and a 33-kVA transformation station. The plant not only expands access to electricity in the country, but also promotes the use of clean, green energy.

Does Mauritania have a solar power plant?

In the last ten years, Mauritania has made several leaps in the field of developing the exploitation of solar energy, in cooperation with international partners such as the Arab Fund for Economic and Social Development, Masdar Abu Dhabi. Sheikh Zayed Solar Power Plant, a 15 MW facility in Nouakchott, is the first utility-scale one in Mauritania.

How will Mauritania's new solar power project help agri-food industry?

The project will provide rural electrification for 40 localities in south-eastern Mauritania, through the installation of hybrid mini photovoltaic power plants and the construction of connecting lines. The project will also support value-creating activities, especially in the food cold chain and agri-food processing.

How much electricity does Mauritania produce?

Mauritania produces over 5% of its electricity through solar energy, generating more than 75 megawatts of electricity annually. This is a testament to the government's commitment to utilizing renewable energy sources and reducing its carbon footprint.

How will Mauritania increase its energy sources?

Mauritania aims to increase and diversify its energy sources. For example, it

has developed an electricity plant that will be alimented by Banda gas . This facility should produce 350 MW in 2015 and will be connected to Nouakchott and Nouadhibou. Furthermore, the plant should produce 700 MW and could export electricity to Senegal and Mali .

What is Masdar doing in Mauritania?

Masdar's 31.6 MW renewable energy portfolio in Mauritania, including a 15 MW plant and 16.6 MW rural electrification program across 8 remote communities, started in 2016. It supplies 30% of electricity to 39,000 homes, saving 10 million liters of diesel and reducing 27,000 tons of CO2 annually. 31,173 MWh of clean electricity generated each year

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