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What is Morocco s first energy storage power station

Overview

The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station(PETS),commissioned in 2004.What is the first large-scale electricity storage project in Morocco?

The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station (PETS), commissioned in 2004. It consists of a hydraulic system composed of two 1.3 million-m3 water reservoirs connected by a pipeline with two hydroelectric production units between the basins.

How does electricity storage work in Morocco?

It ensures the storage of electricity produced by renewable energies in order to adapt fluctuating supply to shifting demand. The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station (PETS), commissioned in 2004.

How much electricity does Morocco use?

Morocco's electricity consumption in TWh . In 2018, Morocco installed 34% of renewable energy (i.e. 3,700 MW), divided as follows: 1,770 MW, 1,220 MW and 711 MW respectively originate from hydroelectricity, wind power and solar energy .

How can thermal storage be developed in Morocco?

Many thermal storage options can be developed in Morocco such as the storage of excess renewable electrical energy in buildings (e.g. domestic hot water tank). The development of district heating networks in Morocco can also give a growing role to the massive thermal storage in Morocco .

What is Morocco's New Energy Strategy?

In Morocco's new energy strategy, 14% of the country's energy production will come from hydropower by 2020. Installed hydropower capacity will be

increased from 1,730 MW in 2008 to 2,000 MW in 2020 through the construction of new hydropower dams and Pumped Energy Transfer Station (PETS).

Can Morocco build a more diversified power system?

Through 2020, in accordance with the SDGs (Sustainable Development Goals), the Kingdom of Morocco is making good strides towards sustainable, secure and modern electricity. However, the ultimate target is to build a more diversified power system with a significant contribution from renewable sources. Fig. 2.

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