

## PDEOZE PowerContainer

# UAE invests 8 7 billion in energy storage power station



## Overview

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Why is the UAE a good place to invest in solar energy?

The UAE is home to Khalifa University, a research-focused institution that has been actively involved in the development of solar thermal technologies. One notable example of the UAE's investment in this area is the Shams 1 solar power plant, which is a 100 MW concentrated solar power (CSP) plant located in the UAE's western region.

What are some examples of UAE investment in solar power?

One notable example of the UAE's investment in this area is the Shams 1 solar power plant, which is a 100 MW concentrated solar power (CSP) plant located in the UAE's western region. The plant, which began operations in 2013, is one of the largest CSP facilities in the world and features advanced solar thermal technology.<sup>364</sup>.

How much energy will Dubai produce in 2024?

It is expected to convert 45% of the emirate's MSW (~5,500 metric tonnes per day) into renewable energy. In its first phase, five treatment lanes will be able to process 2,000 metric tonnes a day, producing 60 MW of energy. Full operations are planned for 2024. MRFs have been launched in Dubai, Ras Al Khaimah, Sharjah, and Ajman.

Where is Dubai constructing a hydropower storage plant?

Dubai is currently constructing a 250 MW hydropower storage plant, the first of its kind in the region, in Hatta. Construction is approaching the 60% completion mark, and the plant is expected to be commissioned by the end of 2024. The hydropower storage plant uses clean energy to pump water from the Hatta dam to an upper reservoir.

What is the world's largest power bank?

Amid rolling hills and tranquil valleys in Hebei province nestles a grand

structure. Capable of harnessing the power of nature and storing and releasing energy as needed, the structure — Fengning Pumped Storage Power Station — is known as the world's largest "power bank".

Will a green energy transition boost the UAE's economy?

A recent study conducted by the World Bank predicts that a green growth transition would enable the UAE's economy to grow at 7% percent annually, in line with the key indicator of the 'We the UAE 2031' plan to double the GDP to AED 3 trillion.<sup>73</sup> The UAE's energy transition is thus a genuine growth accelerator for the nation's economy.

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