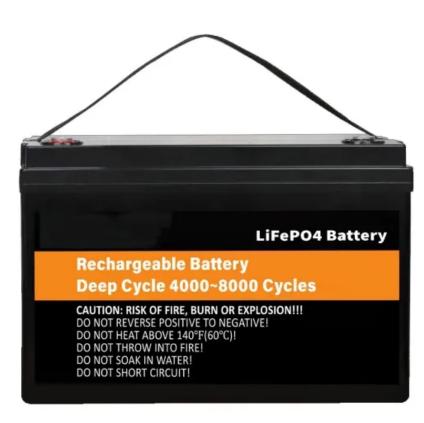


SolarInnovate Energy Solutions

Solar power with grid backup in Chad







Overview

French renewable energy company Qair has started building two hybrid solar power plants in N'Djamena, Chad. The project aims to increase electricity access in a country where millions lack power. Where is Chad's first solar power plant located?

InnoVent has therefore decided to develop the country's first solar power plant, by implanting it in Abéché, the second largest city in Chad with 80,000 inhabitants, but which is not connected to the national electricity grid. The project's beginnings date back to the end of 2015.

Why did Innovent develop a solar power plant in Chad?

The other advantage would be the preservation of the environment, important in a semi-desert country like Chad. InnoVent has therefore decided to develop the country's first solar power plant, by implanting it in Abéché, the second largest city in Chad with 80,000 inhabitants, but which is not connected to the national electricity grid.

Why is electricity so expensive in Chad?

Despite these resources, electricity remains very scarce in Chad, making it one of the most expensive in the world. Today, apart from the 1 MW wind power plant (composed of 4 wind turbines) in Amdjarass, a town in the east of the country, electricity is only supplied by generators, which regularly break down.

Is Chad a good place to live?

Indeed, Chad enjoys an exceptional sunshine rate of 2,000 to 2,600 hours per year. Some regions also offer very interesting wind speeds. Despite these resources, electricity remains very scarce in Chad, making it one of the most expensive in the world.



Solar power with grid backup in Chad



Qair Powers Up Chad with Hybrid Solar Surge, Africa Energy...

May 23, 2025 · French renewable energy company Qair has started building two hybrid solar power plants in N'Djamena, Chad. The project aims to increase electricity access in a country ...

Qair launches two hybrid solar plants totalling 30 MWp with storage in Chad

May 22, 2025 · French group Qair has begun construction on two hybrid solar plants in N'Djamena totalling 30 MWp with battery storage, under a 20-year BOOT contract with the ...





Tackling Chad's Electricity Crisis: Sahel Solar, Inc. Leads the ...

Jan 4, 2025 · Chad faces a severe electricity access challenge, with less than 10% of its population connected to the grid. Most rural areas, home to 80% of Chadians, remain in the ...



Aptech Africa Installs Solar PV Minigrid In Chad, Expanding Energy

Jun 10, 2024 · Aptech Africa has installed a pioneering 78kWp solar PV minigrid in Mandelia, Chad, enhancing electricity access for over 100 people and promoting sustainable energy ...



Contact Us

For catalog requests, pricing, or partnerships, please visit: https://institut3i.fr