

ContainerPower Energy Solutions

Algeria mobile solar base station



Overview

What is Algeria doing with solar energy?

Building on the Solar 2,000 MW and Solar 1,000 MW programs launched by Algeria's state-owned company Sonelgaz, which include a wide range of solar energy initiatives, the government aims to diversify its revenue streams and reduce reliance on natural gas, which is currently primarily used for power generation in the country.

What is Algeria's first photovoltaic project?

Among them, the 233-megawatt photovoltaic project completed in 2016 was Algeria's first new energy project and also the first large-scale grid-connected photovoltaic power station project in Africa. It was honored with the Luban Prize for Overseas Projects in 2018-2019.

How many megawatts a photovoltaic system will be built in Algeria?

The two photovoltaic projects have a capacity of 220 megawatts and 150 megawatts, respectively, and will be constructed by POWERCHINA using an EPC model. The two projects are parts of the 15 gigawatts photovoltaic network planned and constructed for Algeria by 2035.

How much sunlight does a mobile phone base station receive a year?

It is estimated at more than 3000 h of sunshine per year and 5 kWh of daily energy received on a horizontal surface of 1 m² over most of the country. This work concerns the techno-economic study of photovoltaic-diesel hybrid system for mobile phone base station located in Oum el Bouaghi city (in southern Algeria).

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