

Algiers Mobile Energy Storage Site Wind Power Query





Overview

The recent transition towards sustainable energy resources, aiming for the decarbonisation of the electrical power sector has gained global and regional importance. Therefore, there is a great need to cr.

Is Algeria a good place to invest in solar and wind energy?

Taking into account the aforementioned, Algeria has immense solar and wind energy potential and evaluating its resources is a very important step in selecting optimal RES sites before any investments. However, the energy sector in Algeria has to overcome other barriers, such as the increase of energy demand.

Are solar and wind resources available in Algeria?

The potential of solar and wind resources in Algeria have been extensively studied in literature. For instance, Yaiche et al. provided revised solar radiation maps for Algeria, where the province of Djanet was found as the location with the highest solar radiation resources.

What is the solar energy potential in Algeria?

Overall, the solar energy potential is in annual average sum of 2.10 MWh/m²/year. The Algerian coastal zone is characterised by the lowest solar potential particularly in the northeast region amounted to an annual sum of 1.62 MWh/m²/year.

Is energy demand increasing in Algeria?

However, the energy sector in Algeria has to overcome other barriers, such as the increase of energy demand. In Fig. 2, the monthly load demand of Algeria is presented during the period from 2000 to 2019, where an increasing energy demand is observed from roughly 2 TWh to 8 TWh.



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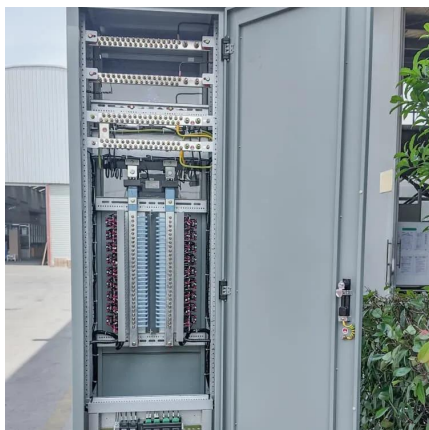
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