
The results revealed that solar air conditioning systems are perfectly adaptable to the Algerian climate with an important annual economy, and that solar desiccant cooling systems are more ...

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This research aims to evaluate the feasibility of operating an off-grid solar-powered air-conditioning bed unit using low-GWP refrigerants that can efficiently replace conventional ...

The main aim of this article is to provide an overview of the use of solar energy in Algeria in the cooling field, during the hottest and thus sunniest period of the year. This study focuses on ...

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Leveraging its abundant natural resources, Algeria is focusing on the development of solar energy as part of its energy transition goals. By the end of 2023, Algeria had 437 MW ...

Based on experimental results, the proposed system proved to be able to cover more than 55% of the total electricity needs for air conditioning. Therefore, this shows the potency of reducing the ...

In order to understand the behavior and to determine the effective operational parameters of a solar-driven ejector air conditioning system at low or medium temperature, a ...

Algeria"s vast geographical advantages, particularly its deserts which receive up to 3,500 hours of solar radiation annually, make ...

The Solar Air Conditioner features a solar panel integration for energy efficiency, a quiet operation mode, smart temperature control, and a user-friendly interface.

Algeria"s vast geographical advantages, particularly its deserts which receive up to 3,500 hours of solar radiation annually, make it an ideal location for solar and wind energy ...

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