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Title: A solar air conditioner in Algeria

Generated on: 2026-03-11 23:05:50

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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 ...

The results obtained through this scientific subject are stimulating and encouraging, where this technique can be used for air conditioning in desert areas in southern Algeria, where fossil ...

In order to understand the behavior and to determine the effective operational parameters of a solar-driven ejector air conditioning ...

In this paper, the feasibility of solar adsorption air conditioning system in the region of Biskra (Algeria) is studied. The main objective is to give a reflection on the current ...

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 ...

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 ...

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 ...

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 dynamic model ...

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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The Solar Air Conditioner is an eco-friendly cooling system that utilizes solar energy to provide efficient air conditioning. It is designed to reduce electricity costs and carbon emissions while ...

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