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Title: Algeria Solar Air Conditioning

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Numerous research studies were devoted to address these topics due to their crucial importance. The purpose of this study is to develop and improve the bioclimatic architecture of residential ...

In this paper, the primary aim is to analyze two aspects - heating load, and cooling load of an individual house energy consumption in the major climatic zones in Algeria. The individual ...

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 ...

The paper presents the results of a performance analysis of an innovative air conditioning system. A new concept of refrigerant compression that consists of a hydraulic ...

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 objective of this study is to improve indoor air quality by employing a solar-powered liquid desiccant system (LDS) to simultaneously reduce the temperature and ...

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

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 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 ...

Our focus includes commercial BESS technologies, solar generator systems, solar AC solutions, and integrated BIPV materials -- from roof tiles to facade cladding -- designed for both ...

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