Algeria s own solar air conditioning sample

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 this study, we propose a dynamic simulation model for solar autonomous absorption air-conditioning systems developed using the TRNSYS-EES software. The model ...

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 ...

Solar cooling technology is environmentally friendly and contributes to a significant decrease of the CO2 emissions which cause the green house effect .Currently, most of 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 ...

coefficient COP of 0.73, getting to cover demand of air conditioning in a house of 120 m2 located in Biskra (Algeria). Items in DSpace are protected by copyright, with all rights reserved, unless ...

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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 ...

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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