
Beirut EK solar air conditioning effect

Additionally higher air temperatures have a direct effect on the energy consumption due to increased use of air conditioning. In this context this paper presents results of an ongoing ...

Hence, the contribution of the air-conditioning systems to the urban heat island is assessed through an appropriate numerical simulation for Beirut city. It is found that the ...

The main objective of this paper is studying the effect of operating conditions on the performance of the solar absorption lithium-Bromide absorption air conditioner (AC) as well ...

Abstract In this work a model of a solar-operated liquid desiccant system (using calcium Chloride) for air dehumidification is developed. The desiccant system model is ...

In this work a model of a solar-operated liquid desiccant system (using calcium Chloride) for air dehumidification is developed. The desiccant system model is integrated with a solar heat ...

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Performance of solar-assisted hybrid air-conditioning liquid desiccant system in Beirut N. Ghaddar, K. Ghali2 & A. ~ a j m " I American University of Beirut, Faculty of Engineering and ...

This paper evaluates the impact of UHI mitigations on the air-conditioning load of buildings in the context of a dense district of Lebanon. The method relies on the coupling of ...

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Heat transformation process cooling technologies To reduce the primary energy consumption by cooling systems, solar thermal heat transformation cooling technologies ...

Feasibility of solar absorption air conditioning in Tunisia Also, Ghaddar et al. [10] have carried out research on solar absorption system performances in Beirut. Florides et al. [11] modelled a ...

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