Micronesia Semi-Solar Air Conditioning Models

This study proposes a novel hybrid solar powered rotary desiccant wheel air conditioning (SRDAC) system to improve the indoor temperature of buildings on low latitude ...

Integration of salt hydrate-based phase change materials (PCM) with boron nitride into flat plate collectors (FPC) aims to enhance efficiency and overcome heat losses.

Micronesia Commercial Air Conditioning System Market is expected to grow during 2025-2031

Installed with the support of the Pacific Community (SPC), these air conditioners are environmentally friendly, require no batteries and include a smart system that allows full ...

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The study team embarked on an economic analysis to assess the feasibility of implementing a system with integrated electric power generation and water desalination in the ...

The aim of this work is to investigate the energy performance of a solar-driven air-conditioning system utilizing absorption technology under climate in Baghdad, Iraq.

Micronesia""s unique conditions demand specialized solutions. High humidity (85% average) and salt spray require corrosion-resistant components, while typhoon seasons (June-December) ...

A hybrid solar powered rotary desiccant wheel air conditioning system is proposed.

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To this end, this paper presents simulations of the different factors that can affect the solar cooling system to meet the cooling demands of a building located in hot and dry semi-arid climates.

Desiccant materials, dehumidifiers, regenerators, integrated air conditioning systems, and solar regeneration are included in the extensive set of keywords for this work.

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