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Simulation and Evaluation of the Solar Energy Systems in the Public Buildings in the City of Tripoli-Libya Mosques Sector - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

Abstract: Mosques are classified as one of the most attractive places for the Libyan people during prayer times, where electrical power converted into many energy types.

This paper evaluates the technical feasibility and performance of a solar-driven Dunkle cycle desiccant cooling system for a residential building under the climatic conditions of Tripoli. The ...

On the 1 st of March, the Libyan company Erawn Alternative Energy Technologies signed the contract to start as a franchise of ECOTHERM Austria and will now found "ECOTHERM Libya" in Tripoli. Erawn ...

Moreover, the flat topography and relatively low wind speed is perfect for solar thermal applications.

Since the main purpose of the solar-assisted air conditioning system is to meet the building cooling demands with low electricity consumption, the solar energy contribution to the total heat energy ...

The study evaluates the feasibility of solar thermal refrigeration in Libya's unique climate. TRNSYS software simulates the annual thermal performance of the solar refrigeration system. The method ...

This study provides an experimental assessment of solar energy potential in this region, utilizing climatic data, direct solar radiation measurements, and economic feasibility analyses in order ...

The project involves the construction of a 500 MW solar power plant in the Northern region of Al-Sadada and will be constructed in phases, 280 km southeast of the capital Tripoli in Libya. The plant will be ...

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