

Title: EU Solar Air Conditioning Design

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However, solar cooling technology has a lot of barriers that delay the penetration of absorption machines in the market. The most important is the high costs of absorption chillers, ...

Solar Energy can be used for producing cold either for cooling of buildings (generally known as air-conditioning) or for refrigeration required for preserving food. Solar cooling appears to be ...

In this paper, a selection of rules, available guidelines and calculation tools, useful in the decision and planning process of a solar assisted air-conditioning system is presented and briefly ...

This paper describes the main results of the EU project SACE (Solar Air Conditioning in Europe), aimed to assess the state-of-the-art, future needs and overall prospects of solar cooling in ...

A group of researchers from five countries has surveyed and analyzed over 50 solar-powered cooling projects in different climatic zones. The paper presents a short ...

Solar thermal heating for domestic hot water and space heating has grown ...

This research presents a design method of photovoltaic direct-drive air conditioning system, and arranges the photovoltaic direct-drive air conditioning system in an office building in hot-humid ...

A novel solar photovoltaic thermoelectric air conditioner (SPVTEAC) for local air conditioning of a 1.0 m³ compartment was experimentally examined under several interior ...

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