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Title: Solar air conditioning in Chilean building

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Solar air conditioning, or "solar-powered air conditioning", refers to any air conditioning (cooling) system that uses solar power. This can be done through passive solar design, solar thermal ...

To develop a national roadmap and achieve net-zero targets in the building sector, it is important to analyze potential scenarios for building decarbonization in Chilean ...

This paper presents and discusses a general overview of solar cooling and airconditioning systems (SCACSSs) used for building ...

This paper has discussed different types of solar-driven air-conditioning systems that can serve as an alternative to reduce the energy consumption of conventional electrical driven ...

We have performed a series of simulations to identify measures that reduce the energy demand for air-conditioning of an ...

This study aims to evaluate the impact of air-conditioning on both the technical performance and economic viability of solar inverters in rooftop photovoltaic (PV) systems ...

This paper presents and discusses a general overview of solar cooling and airconditioning systems (SCACSSs) used for building applications.

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We have performed a series of simulations to identify measures that reduce the energy demand for air-conditioning of an existing building, preferring the evaluation of passive ...

Installing solar in the mountains of Chile presents a unique opportunity, but it also comes with specific considerations that differ from implementing solar power in the US or even ...

Switching towards solar powered central air conditioning or installing solar powered window or portable air conditioners can be a great step towards fighting the current climate crisis.

Solar-powered air-conditioning systems, particularly hybrid solar cooling systems, offer a promising sustainable solution. These systems synergistically integrate photovoltaic ...

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