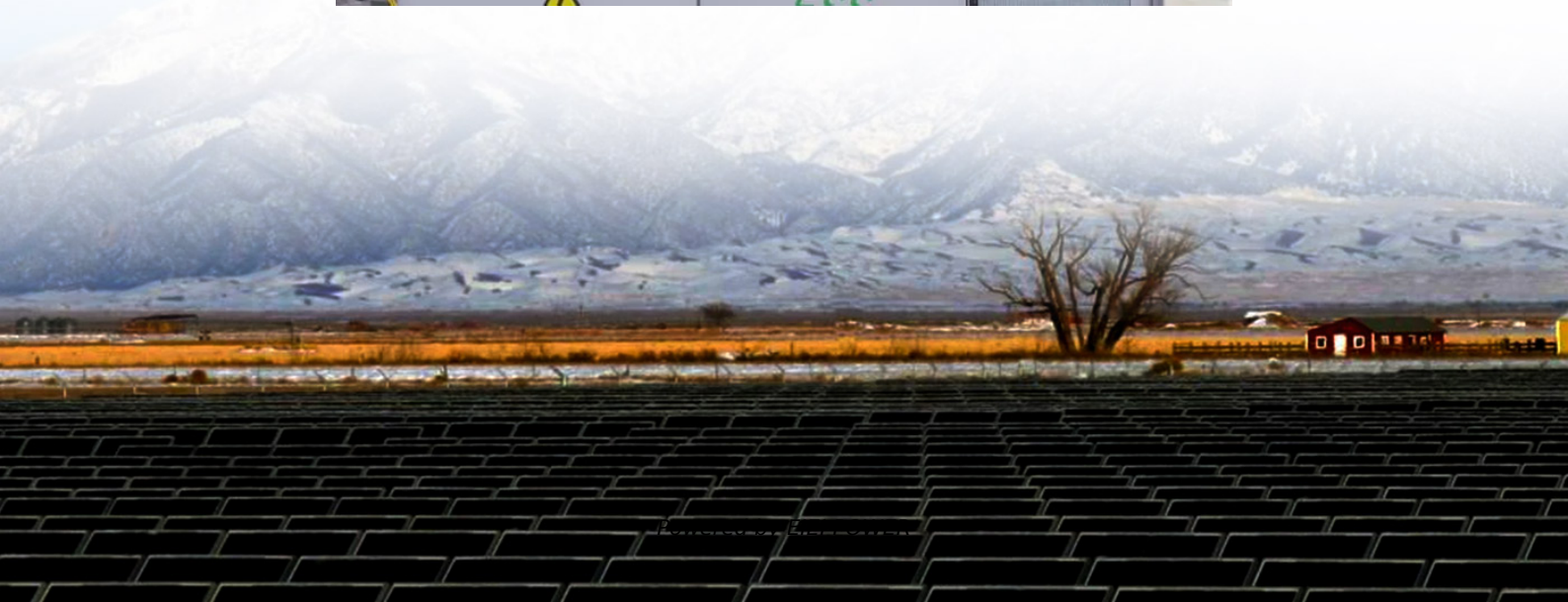


# European Solar Air Conditioning





## Overview

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What is SACE (solar air conditioning in Europe)?

The SACE (Solar Air Conditioning in Europe) project was initiated in early 2002 and conducted over the next 2 years by a group of researchers from five countries, supported by the European Commission.

Does solar air conditioning save energy?

Conclusions Solar air conditioning has a strong potential for significant primary energy savings. In particular, for southern European and Mediterranean areas, solar assisted cooling systems can lead to primary energy savings in the range of 40–50%. Related cost of saved primary energy lies at about 0.07 €/kW h for the most promising conditions.

Are solar cooling systems economically feasible?

Tsoutsos et al. present a study of the economic feasibility of solar cooling technologies. Karagiorgas et al. investigated the application of renewable technologies in the European tourism industry and identified a large number of solar thermal systems but only a few solar cooling systems.



## European Solar Air Conditioning

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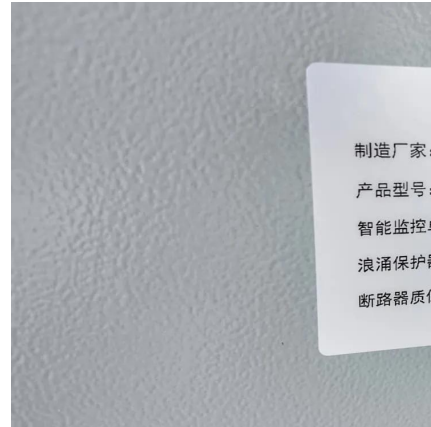
Sep 24, 2025 · 1. Introduction Space cooling in buildings is characterized by enormous growth rates, due to increasing ambient temperatures, growing population and urbanisation. Air ...





## Europe Solar Air Conditioning Market Size and Forecasts 2031

The Europe Solar Air Conditioning Market is witnessing rapid growth as demand for energy-efficient and sustainable cooling solutions rises across residential, commercial, and industrial ...



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