

Solar Air Conditioning Business Model





Overview

Are solar thermal air conditioners a business model?

In the authors' previous study, Kalair et al. (2021) have presented a business model for solar thermal air conditioners for homes, cold storage, and data centers. Ten national and international respondents were interviewed semi-structured one-on-one, and their viewpoints were thematically examined.

What is a business model for solar thermal-assisted air-conditioning system?

A business model for solar thermal-assisted air-conditioning system operating by integrating both photovoltaic and thermal (PV/T) is presented in this work. This article offers the reader all the knowledge necessary to develop a thorough business plan for commercializing their idea.

How can solar energy be used for air conditioning?

The existing alternative to fulfill the air-conditioning load without entirely relying on utility is using on-grid or off-grid solar PV systems. The most common solar thermal usage for cooling is absorption cooling for large capacity systems.

What is a value proposition for solar-assisted thermal air conditioning?

Value proposition canvas for solar-assisted thermal air conditioning using CO₂. (Adopted from Osterwalder and Pigneur (2010), Strategyzer AG (2018a))
The air-conditioning industry is exploiting new smart and connected systems to improve the cooling process's flexibility and efficiency.



Solar Air Conditioning Business Model

Solar Air Conditioner Business Models

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