

The advantages and difficulties of solar-powered air conditioning and refrigeration will be discussed in this article, along with their present and potential future effects on the cooling sector.

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Solar-powered cooling systems are one example of how solar energy may be used in the real world. Solar-powered air conditioners have become more popular in recent years.

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Solar air conditioning can play a vital role in mitigating such impacts. This study presents an experimental setup that utilizes a solar photovoltaic system to power an air conditioning unit.

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