

# **Cairo solar air conditioning is difficult to promote Wana**





## Overview

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Are solar-powered air conditioning systems a must in every building?

In recent years, progress on solar-powered air conditioning has increased as nowadays, air conditioning system is almost a must in every building if we want to have a good indoor comfort inside the building.

Can a solar air conditioning system be used in non-electrified areas?

The air conditioning system can be operated on solar and can be used in non-electrified areas. As we all known, solar energy is cost effective, renewable and environmentally friendly. Energy Procedia 36 ( 2013 ) 444 – 453  
1876-6102 © 2013 The Authors.

Can a direct current air conditioning system be integrated with a photovoltaic system?

Therefore, this paper focuses in the design and construction of a direct current (DC) air conditioning system integrated with photovoltaic (PV) system which consists of PV panels, solar charger, inverter and batteries. The air conditioning system can be operated on solar and can be used in non-electrified areas.

Is solar energy a good option for air conditioning?

In general, air conditioning which also can be known as refrigeration is defined as any process of heat removal. To produce the process, it requires energy where the sources are commonly gas and electricity. With increasing gas and electricity tariffs, solar energy becomes attractive once the system has been installed .



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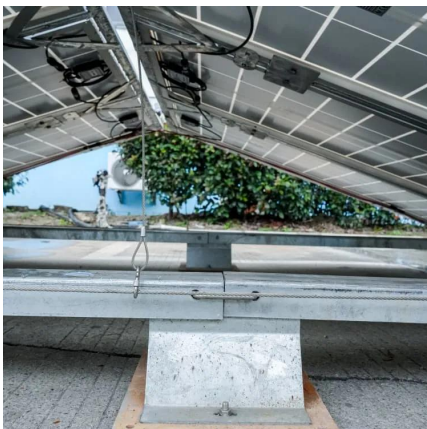
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