

# **Solar tracker project pdf**





## Overview

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Can a photovoltaic conversion panel be used in a solar tracker system?

DALZAHARANINAWWAFALWAHHAS 201502685AbstractIn this project photovoltaic conversion panel is expected to be used in an automatic microcontroller based solar tracker system. Our aim is to design a single axis solar tracker as well dual axis solar tracker system. The sun is tracked by the tracker and its position is changing.

How a solar tracker works?

RESULTS AND DISCUSSIONS The implementation of a solar tracking system for solar panels is applied to get maximum power output from the sun. The prototype of the solar-tracker project is equipped with RTC that will determine the position of the solar panel in accordance with the time during the daytime.

Does a single axis tracker increase efficiency of solar panel tracking system?

tracking method.CHAPTER-2LITERATURE REVIEWMayank Kumar Lokhande et al presented an automatic solar tracking system. He designed a solar panel tracking system based on microcontroller and observed that single axis tracker increases efficiency by 30% compared to the fixed module. Guiha Li, Runsheng Tang, Hao Zhong et al investigated how.

What are solar tracking systems?

Solar tracking systems are used to continually orient photovoltaic panels towards the sun and can help maximize the investment in PV system. They are beneficial as the sun's position in the sky will change gradually over the course of a day and over the seasons throughout the year.

Does a solar tracking system increase the efficiency of the solar panel?

The implementation of the design has been proposed. Our result shows that the solar tracking system increases the efficiency of the solar panel. Solar



tracking solar panel is completely automatic and it ensures the minimum low cost. So, it is a dual axis system which maximizes the e.

What is the current project based on tracking solar panels?

**Conclusion & Future Recommendations**  
7.1 Conclusion  
The current project is based on tracking solar panels. These panels change their orientation in relation to solar radiation to increase the efficiency and results in maximum production of energy and helps in getting full benefit of opti



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