

# **Solar dual container control system installation**





## Overview

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Can programmable logic control a dual axis solar tracking system?

Sungur focused on the design of programmable logic control for a dual-axis solar tracking system and experimentally verified that 42.6% more energy could be obtained from the system than from PV panels at fixed positions.

Does a dual axis solar tracking system generate more energy?

In a comparison of the data obtained from the measurements, 24.6% more energy was seen to have been obtained in the dual-axis solar tracking system compared to the fixed system. This study possesses potential value in small- and medium-sized photovoltaic applications.

Is a dual-axis solar tracking system possible?

Al-Rousan et al. have proposed a dual-axis solar tracking system by integrating supervised logistic regression and a supervised multilayer perceptron in order to increase the accuracy of tracking prediction.

How a solar tracking system works?

In the structure of the proposed solar tracking system, a few gears driven by step motors could make the solar panel rotate in two directions to perform the tracking. Additionally, the solar supporting frame and columns, designed to distribute vertical pressure, could avoid the bulking instability of the components.



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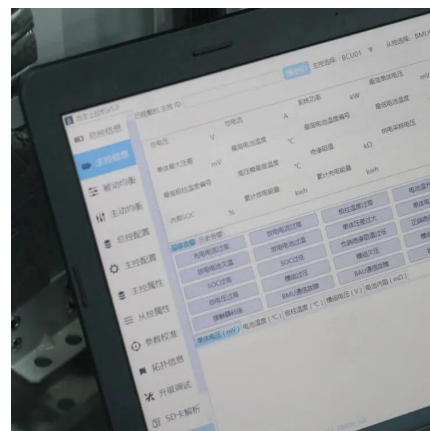
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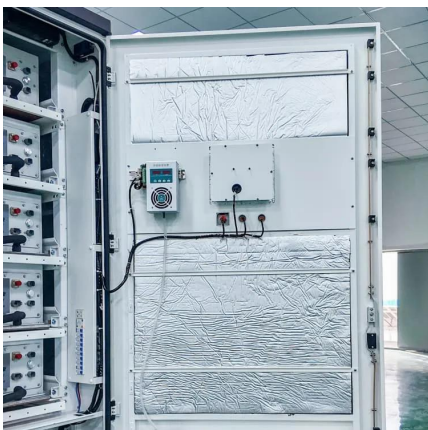


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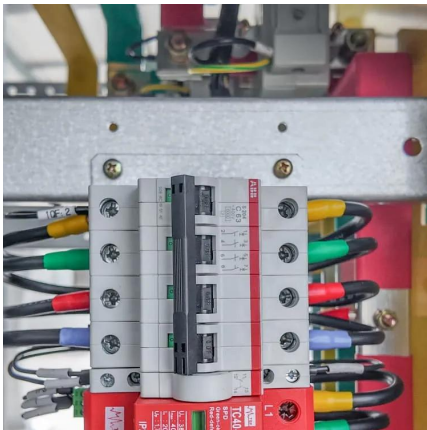
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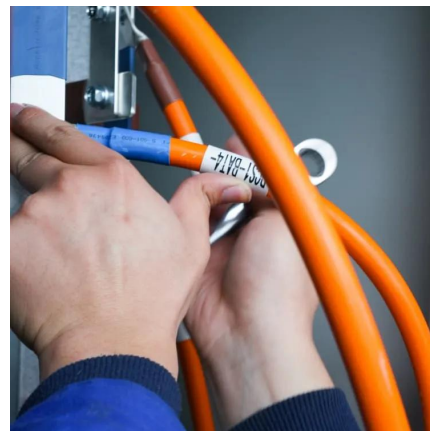


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