

Automatic Sun Tracking System Asts Mechanical Engineering

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In remote areas the sun is a cheap source of electricity because instead of hydraulic generators it uses solar cells to produce electricity. While the output of solar cells depends on the intensity of sunlight and the angle of incidence. It means to

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The Automatic Sun Tracking System (ASTS) was made as a prototype to solve the problem, mentioned above. It is completely automatic and keeps the panel in front of sun until that is visible. The unique feature of this system is that instead of taking the earth as its reference, it takes the sun as a guiding source.

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Automatic Sun Tracking System (ASTS) PPT with PDF Report: We have discussed here Basic Components and they are: The Solar Panel, Stepper Motor, Actuator, Microcontroller, A Display Unit (Optional) and Interfacing Cables. Automatic Sun Tracking System (ASTS) PPT with PDF Report. Applications. Can be used for small & medium scale power generations.

Automatic Sun Tracking System (ASTS) PPT with PDF Report

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Automatic Sun Tracking Sysytem , for increasing the effieciency of Photovolatic cells of Converting the Sun Light ; or generally any incident photons on its surface ; to DC Voltage ...

ASTS (Automatic Sun Tracking System)

Automatic Sun Tracking Sysytem , for increasing the effieciency of Photovolatic cells of Converting the Sun Light ; or any generally any incident photons on its surface ; to DC Voltage.

ASTS (Automatic Sun Tracking System)

efficiency. Thus to get a constant output, an automated system is required which should be capable to constantly rotate the solar panel. The Automatic Solar Tracking System (ASTS) was made as a prototype to solve the problem, mentioned above. It is completely automatic and keeps the panel in front of sun until that is visible.

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The Automatic Sun Tracking System (ASTS) was made as a prototype to solve the problem, mentioned above. It is completely automatic and keeps the panel in front of sun until that is visible. The unique feature of this system is that instead of taking the earth as its reference, it takes the sun as a guiding source.

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There is entitled Automatic Sun Tracking System (ASTS) which uses the sun as a guiding source instead of using the earth as its reference to keep the panel in front of the visible sun [2].

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Automatic Sun Tracking System (ASTS) INTRODUCTION: In remote areas the sun is a cheap source of electricity because instead of hydraulic generators it uses solar cells to produce electricity. While the output of solar cells depends on the intensity of sunlight and the angle of incidence. It means to get maximum efficiency; the solar

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Need For A Sun Tracking System From dawn to dusk the sun keeps changing the angle from 0-90 rising and 90-180 declining. In a year of 365 days the sun moves approximately 22.5 degrees north to 22.5 degrees south of the equator. We get maximum energy from the sun when - The angle of the sun is degrees - The sun's position is 0 +/- 5 degrees of the equator Conditions For Maximum Output The ...

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Automatic Sun Tracking System (ASTS) is a project meant to solve this problem. It is completely automatic and keeps the panel parallel to the sun. In this project, it the ASTS takes the sun as a guiding source. Sensors are used to constantly monitor the sunlight and rotate the solar panel to the maximum intensity of sunlight.

of the Bachelor Degree of Electrical Engineering (Power ...

Automatic sun tracking system. ppt 1. AUTOMATIC SOLAR TRACKING SYSTEM By: Saumya Ranjan Behura Regd No.-1521292032 2. INTRODUCTION A solar tracking system can be used as a power generating method from sunlight. This project helps for power generation by setting the equipment to get maximum intensity sunlight automatically. When there is decrease in intensity of light, this system automatically ...

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