

The project considers an automated intelligent solar tracking control system which is mainly designed to increase the energy production from the solar energy. Since solar energy is the main source of solar energy the best way of collecting solar energy in ...

Abstract- This paper presented the use of artificial intelligent based neural network control tracking system for better harnessing of sun's energy. The sun tracking algorithm is developed ...

The paper considers an intelligent automated solar tracking control system designed to increase the efficiency of solar energy production. The proposed method o

Simulates with PVSys, proves that the efficiency of using photovoltaic power tracking system is 30% higher than that of fixed solar cell system. In order to solve the problem of low photoelectric conversion efficiency in solar power generation, a solar photovoltaic power tracking system based on PLC is proposed. This system can make directional adjustments ...

Our goal is to create, design and realize a simple, low-cost, dual-axis intelligent solar tracking system using a photoresistors (LDR), a solar panel and an electronic circuit allow the system to rotate both vertically and horizontally, ...

power system based on a foldable scissors mechanism. This system includes a photovoltaic power generation module and electricity transfer module along with considers an intelligent automated solar tracking control system designed to increase the efficiency of solar energy production. The proposed

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PDF | On Jun 1, 2019, Nurzhigit Kuttybay and others published An Automated Intelligent Solar Tracking Control System With Adaptive Algorithm for Different ...

The aim of this paper is to design and implement efficient single and dual-axis solar tracking control systems that can increase the performance of solar trackers, predict the ...

The solar tracking system was tested indoors and outdoors. Outside, the solar platform was affixed to the top of a building so the results could be compared between fixed ...

entitled "Solar Tracking System" gives a brief overview of solar tracking system based on microcontroller. This solar tracker is cost efficient. These solar trackers enable the accurate tracking of the sun. Sohag et al (2015) the research paper entitled "An Accurate and Efficient Solar Tracking System Using Image Processing and LDR

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