

The photovoltaic power generation directly converts the solar energy into electric energy through photovoltaic cell, which is an important way to solve energy shortage and environmental pollution.

This book offers a valuable source of information for final-year undergraduate students, as well as graduate students and academic lecturers, as it promotes the widespread deployment of advanced ...

The wireless network panel point of ZigBee is divided into FFD (Full Function Device) and RFD (Reduced Function Device), each of which has its own functions. It can conveniently collect ...

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Semantic Scholar extracted view of "Monitoring and control technology of solar photovoltaic power generation system" by Xu et al.

Abstract The sensor layer in the monitoring and control system of Solar PV Power Generation collects PV array state information. The amount of solar PV array is so large and the distribution of solar PV ...

TL;DR: In this article, the efficiency increasing of electric energy generation in the photovoltaic system is concentrated on this paper, where four cases to improve the efficiency of power producing from the ...

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In this paper, we designed an electrical power monitoring system for PV, batteries, and lamps at solar powered street lamps based on wireless sensor network (WSN) system using ...

The events focus on a broad range of energy technology such as solar power, rechargeable batteries, fuel cells, smart grids, wind power, zero-emission, biomass, and thermal power generation.

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