



Solar power generation system patent

The present disclosure provides an agrivoltaic forecasting modeling system that can assess solar power yields and crop yield produced by an agrivoltaic system. The system may include a weather information providing component providing weather information; an agrivoltaic facility comprising a cultivation area for a crop and a structure with a solar panel and being adjacent ...

Three-dimensional solar power generation systems have a plurality of solar panels configured to include pole and equator facing panels and, in various embodiments additional top and/or side panels that form a segmented and dome-shaped assembly. The systems have improved efficiencies particularly with respect to early morning and evening ...

A space-based solar power station, a power generating satellite module and/or a method for collecting solar radiation and transmitting power generated using electrical current produced therefrom is provided. Each solar power station includes a plurality of satellite modules. The plurality of satellite modules each include a plurality of modular power generation tiles ...

The invention relates to a solar photovoltaic array module design, which constitutes three steps of optical concentrations of photovoltaic electric power generation systems. A compound parabolic concentrator (CPC) is mounted under a first optical concentrating fresnel lens that concentrates the intensity of sunlight to five times above normal level.

The photovoltaic service data of solar photovoltaic battery component, direct current header box and combining inverter is measured, shows and stored to the described grid-connected photovoltaic power generation system of the utility model through increasing by a supervising device; Realized real-time monitoring, for abundant reasonable use regenerative resource ...

The present disclosure relates to a solar power generation and agricultural material dispersion system having at least one system module which comprises: a solar power ...

Patent Document 1 discloses a photovoltaic power generation system that stops the output of electric power from the solar cell module to the inverter according to the operating state of...

The solar photovoltaic power generation system has reasonable structural design, is safe and reliable to use, has wide application range, and can automatically recognize the undervoltage situation of the storage battery so as to perform corresponding processing. CN102437788A - Solar photovoltaic power generation system - Google Patents Solar photovoltaic power ...

Justia Patents US Patent Application for SOLAR POWER GENERATION SYSTEM Patent Application



Solar power generation system patent

(Application #20190143835) SOLAR POWER GENERATION SYSTEM . Sep 28, 2018 - Toyota. A solar power generation system of a vehicle includes a solar panel configured to generate power by sunlight, a first load, an auxiliary battery configured to supply the power to ...

The present invention relates to a solar power generation switchgear system. The solar power generation switchgear system comprises: a switchgear system body in which various parts for receiving power from a power provider and supplying the power to facilities requiring power consumption are mounted; an inverter module provided in the switchboard system body and ...

The role of renewable energy in global power generation is growing -- particularly for solar power. Thanks to increasing innovation and decreasing costs, global solar capacity has doubled from 2018 to 2021. According to Nature Communications, solar power is currently on track to become the world's dominant source of power by 2050.. If you're ...

Solar power systems and their related technologies have developed into a globally utilized green energy source. Given the relatively high installation costs, low conversion rates and battery ...

A solar thermodynamic machine power generation method can use the radiant energy of the solar concentrator, and directly convert the internal energy of the working medium molecule with cyclic phase transformation at low boiling point into electric energy for achieving the fuel-free large-scale electric power production. It has the characteristics of long-term ...

solar power generation system is various, and the power conversion device may be installed in a harsh tempera-ture environment. The power conversion device is pref-erably ...

The present invention relates to a solar power generating system which converts solar energy to electrical energy to generate electricity. The solar power generating system according to the present invention is provided with: a main body having one or more assembling members coupled thereto, and provided with a first sloped part and a second sloped part formed at a position ...

Abstract: A solar photovoltaic cell system used for supply of electrical power for various uses. The cell system includes photovoltaic cells received around a tubular shaped, elongated tank. The tank is disposed in front of a concave light reflector. The light reflector is rotatably mounted on a latitude adjustable stand. The stand is also used ...

Web: <https://doubletime.es>

