

Title: Mechanical linkage of photovoltaic bracket

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The goal of this thesis was to develop a laboratory prototype of a solar tracking system, which is able to enhance the performance of the photovoltaic modules in a solar energy system.

The utility model relates to the technical field of solar photovoltaic supports, in particular to a solar photovoltaic linkage tracking support.

They feature low cost, simple maintenance, and 10%-20% higher power generation efficiency than fixed brackets, ideal for large-scale ground-mounted photovoltaic power stations.

The influence of different joint connection types on the mechanical performance of the photovoltaic support system was analyzed accordingly, and the effectiveness of the new joint ...

the tracking bracket also includes a driving mechanism, through which the main beam 10 is driven to rotate relative to the column 30, thereby driving the photovoltaic module 40 to rotate.

Solar panel mount. Making full use of production capacity, combined with its own advantages in the production and research and development of power fixtures, GHE has developed a fixed bracket ...

In the established solar panel brackets system, this article conducts numerical simulation on the brackets and optimizes the design of the main beam part of the brackets based on the analysis results.

Save construction materials, reduce construction cost, provide a basis for the reasonable design of PV power plant bracket, and also provide a reference for the structural design of fixed ...

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