

Spherical solar power generation device patent

A photovoltaic power generation and solar cooker technology, applied in the direction of light radiation generators, generators/motors, etc., can solve the problems of inconvenient use, ...

The invention relates to a secondary reflection closed spherical lighting solar energy hot water generation device. The device receives solar energy through the reflection and focusing functions of a large-plane reflector and a spinning paraboloidal reflector. The invention can greatly improve the reception efficiency of solar energy and can be used for collecting and receiving solar ...

The Spherical Sun Power Generator is a solar energy capture device designed by German Architect Andre Broessel. Called the beta.ey, he believes his invention is a ...

The device consists of a solar power generation spherical shell, a reflection condensing mirror, an inverter, a storage battery and a controller, wherein the solar power generation spherical shell ...

In the invention patent CN 106870199 A "a wind-solar combined generator", the solar cooker focused solar energy supply method can save energy by using the solar cooker, but the solar ...

World electricity demand is rapidly overtaking the power supply. Solar cell power is an alternative method of power generation. In this report, the application of a new concentrated photovoltaic technology called a solar sphere is tested experimentally. This technology works by collecting solar energy and concentrating it into a small area (focal point). The focused solar energy is ...

The present invention provides a spherical solar photoelectric conversion device, comprising a spherical light collecting assembly having a plurality of hexagonal light collecting columns to form a plurality of interconnected hexagonal receiving surfaces, which reflect external light and reflect to a hexagonal set. In the light column, the spherical solar device is arranged in a concentric ...

Provided is a revolution paraboloid spotlight spherical surface closing lighting solar hot-water generating device. The device receives solar energy through a reflect light focusing effect of a revolution paraboloid, the receiving efficiency of the solar energy is greatly improved, solar energy collecting and receiving under hard light and weak light environments are achieved.

The invention discloses a spherical inflatable space solar power station. A solar cell array is in a spherical closed structure; a structural supporting framework consists of rigid inflation thin film trusses, is in a folding state on the ground, and is rigidized into a spherical structure after being released to the outer space to support and limit the unfolded solar cell array; a directional ...

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In view of the above problems in the background art, the present invention provides a solar power generation device with a spherical structure, including: mounting bracket, photovoltaic...

The invention provides a spherical piezoelectric power generation device, which comprises an outer hemispherical shell 1 and an inner hemispherical shell 2, wherein the inner hemispherical shell 2 is fixed inside the outer hemispherical shell 1, the inner surface of the outer hemispherical shell 1 is provided with a plurality of cantilever beams 6, and piezoelectric sheets 61 are ...

The utility model discloses a rotatable solar energy power generation of sphere is equipped, which comprises a cell panel, erection equipment and controlgear, the panel is connected with the controlgear electricity, erection equipment is connected with the panel, the panel includes the battery piece, battery piece mounting panel and battery piece wiring board, the shape of ...

The utility model discloses a secondary-reflection spherical lighting solar hot-water power generator which comprises a rectangular box body, a water tank, a cold water pipe, a hot water pipe, a planar transparent cover plate, a large-plane reflector and solar energy concentrating and receiving mechanisms, wherein each solar energy concentrating and receiving mechanism ...

(57) [Summary] (Correction) [Purpose] Stable power generation is obtained by arranging solar cell panels in a protrusion and using a reflector. [Structure] A solar system in which solar cells are set in a mirror pole shape on a spherical base material and arranged in a mushroom shape on a reflector. Select the base, reflector, and base material such as plastic, ceramics, metal, etc. ...

In order to cancel the sun light tracking device, the mode that adopts ball to focus on is arranged at present, as number of patent application is 200610076928.3 disclosed a kind of " sun light collectors ", be to adopt the universal optically focused of ball lens, ball lens is a medicine ball, or as patent No. ZL200620005067.5 disclosed a kind of " universal condenser ", spherical ...

A wind-solar hybrid and power generation system technology, applied in photovoltaic power generation, photovoltaic power stations, photovoltaic modules, etc., can solve the problems of ...

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