

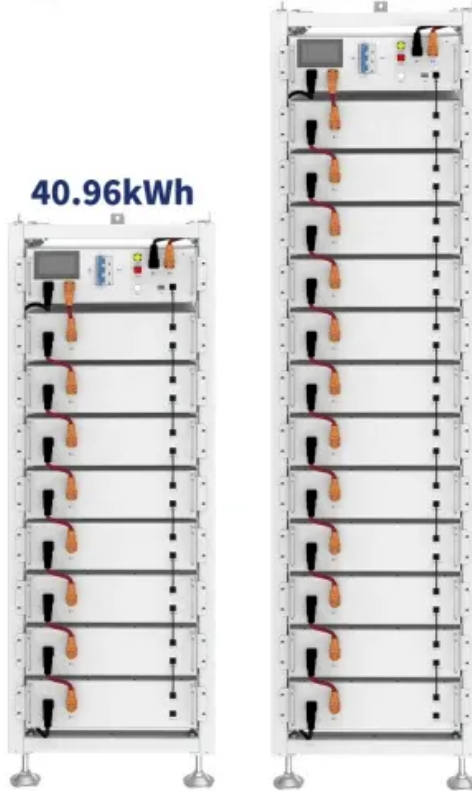
Solar Energy South Africa

Solar power generation of the crystal ball

ESS

61.44kWh

40.96kWh



Overview

Using the geometry and optical properties of a giant see-through ball, this solution acts like a giant magnifying glass to make power. Could this sphere power generator be the future of solar energy?

Crystal balls have been telling fortunes in fairgrounds for many years, but this Spherical Sun Power Generator could be the future of solar energy. A German Architect has designed an innovative form of a solar power generator. Unlike being flat or thin like other PV panels, this one is a giant transparent sphere! [see-also].

How does a sphere solar power generator work?

The Spherical Solar Power Generator works by using a large transparent sphere to focus diffused sunlight onto a small surface area of mini-solar panels. Because the solar panels used on the device are so small, its relative efficiency is increased. It is, in effect, an innovative form of other concentrated photovoltaic technologies (CPVs).

How does a spherical Sun power generator work?

It does this to maximize the conversion efficiency of the sun's rays. By having this tracking system constantly moving the collector to maximize efficiency, the spherical sun power generator can double the yield of a conventional solar panel in a much smaller surface area.

Could a glass sphere be the future for solar energy?

Luckily, there is a potential solution. Rawlemon, a solar energy company started by a German architect named Andre Broessel, has been working on a spherical solar energy generator that is potentially more efficient than a standard solar panel. Broessel believes this glass sphere could possibly be the future for solar energy.

Can a giant see-through ball make power?

Now that really is thinking outside of the box! Using the geometry and optical properties of a giant see-through ball, this solution acts like a giant magnifying glass to make power. According to their claim, it can reach efficiency level of 57% when compared to conventional PV systems.

Could a spherical Sun power generator help us transition from fossil fuels?

The spherical sun power generator sounds like a fantastic idea that could potentially help in the transition from fossil fuels to complete renewable energy. However, with the lack of development and research of "beta.ray" technology, we are quite a long way from these solar spheres becoming a reality.

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IFOLAINA 3D Solar System Crystal Ball 3.15" Astronomy Gifts for ...

Crystal Ball with Solar System, Diameter of Crystal is 80mm, with Colorful Lighting Base, This Small Globe is a Perfect Addition to any Astronomy Enthusiast's Collection, Serving as a

...

Understanding Solar Photovoltaic (PV) Power ...

Solar photovoltaic (PV) power generation is the process of converting energy from the sun into electricity using solar panels. Solar panels, also called PV panels, are combined into arrays in a PV system. PV systems ...



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