

Dish-type solar steam engine for power generation

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The dish concentrator consists of several parabolic reflectors, and it can intensify the sunlight at a high ratio, onto the receiver at the focal point, which absorbs this heat, then driving the ...

Abstract: A novel dish Stirling solar power generation (DSSPG) system has been designed incorporated with a high temperature superconducting (HTS) linear synchronous generator ...

Sunrise CSP's Big Dish is a 3rd generation technology that has benefited from over 40 years of research & development ...

The present invention relates to a dish-type sterling solar generator which can be continuously operated day and night with a dish-type stirling solar power generation set.

A parabolic generator for steam refers to a type of solar thermal power technology that utilizes a parabolic dish reflector to concentrate sunlight ...

A new system was designed and built to generate electricity using a parabolic concentrated solar dish, modified by the addition of other components, making it similar to a steam ...

Dish solar power uses a two-axis prime-focused parabolic dish to concentrate solar energy into a receiver. The receiver absorbs the solar radiation reflected by the concentrator and ...

NASA patented a type of solar-powered Stirling engine on August 3, 1976. It used solar energy to pump water from a river, lake, or stream. The purpose of this apparatus is to "provide a low-cost, low-technology pump having particular utility in irrigation systems employed in underdeveloped arid regions of the earth...[using] the basic principles of the Stirling heat engine". Another design was patented by Roelf J. Meijer in 1987. His invention combines a heat engine, such a...



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Several different dish/Stirling systems have been built and operated during the past 15 years. One system claims the world record for net conversion of solar energy to electric power of 29.4%; and two ...

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