

The solar fuels generator includes an ionically conductive separator between a gaseous first phase and a second phase. A photoanode uses one or more components of the first phase to ...

Abstract: Solar thermoelectric generators (STEGs) are solid state heat engines that generate electricity from concentrated sunlight. A novel detailed balance model for STEGs is ...

STEGs can produce electricity by using sunlight to heat one side of a thermoelectric generator. While concentrated sunlight can be used to achieve extremely high temperatures (and thus improved ...

The mobile solar generator can generate electrical energy and include one or more batteries and/or a nonrenewable energy source. A controller can control various functions of the mobile solar generator.

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There are many technologies available to directly harness the Sun's energy, the most prevalent of which are photovoltaics and Solar thermal (also known as concentrated solar power or CSP).

U.S. Pat. No. 6,201,181, issued to Azzam, discloses a portable modular solar cart. However, the cart disclosed by Azzam is inadequate for effectively supplying enough energy to satisfy the needs...

What is needed is a better portable solar generator. The present invention provides a portable PV modular solar generator. A plurality of wheels is attached to the bottom of a rechargeable...

In particular, the present invention provides a portable or static solar generator to power various devices, appliances and equipment with or without an electrical power grid connection.

The present invention is directed to a solar-powered generator that captures solar energy. This solar-powered generator allows the sun's radiation and light to enter an inner chamber and...

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