

# Us solar container battery patent





## Overview

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The present invention relates generally to an environmentally friendly refrigeration unit and more particularly solar-powered refrigeration container that allows stored foods, beverages and other objects to be properly refrigerated when outdoors and more specifically to a. The plurality of solar panels are configured to receive sunlight and convert to solar energy for storage in the battery and supply energy to electric vehicles during transport of the container (s). The present application is a CIP application of and claims priority of U.S. patent application Ser. Search specific patents by importing a CSV or list of patent publication or application numbers. The invention discloses a solar container system which comprises a highly-efficient photovoltaic assembly, a storage battery, a solar hot-water supply and power generation system, an inverter, a. The Patent Public Search tool is a web-based search application for patents and patent application publications. Patent Public Search has two user-selectable modern interfaces that provide enhanced access to prior art. The new, powerful, and flexible capabilities of the application will improve the. R amses T lorres, B Esayamon, PR (US (US) A portable Solar energy generation system that has a disas (73) Assignee: Solar Power Innovations, LLC., Ocean sembled configuration and an assembled configuration. The City, MD (US) system includes a Solar energy generation assembly, and por table. The system includes a container and a door therefor, each comprised of inner and outer shells made of a moisture impervious material having sealed therebetween an insulating material. A holding plate, containing a eutectic solution and a refrigerant evaporator coil, is disposed within the. A portable, solar assisted, temperature controlled container comprises: a body with a cavity; a lid sealable thereon; a detachable solar panel producing electric power; a thermoelectric cooling unit; an interior heat sink secured in the cavity proximate to an interior side of the thermoelectric.



## Us solar container battery patent



### US20250070710A1

The present disclosure concerns a large surface area solar energy generation apparatus and method that protects the solar system from meteorological or any other ambient threat and restores the

### Solar-powered refrigerated container

The container is solar-powered with a solar collector on its outer surface, but it also has an internal battery, which powers a thermoelectric cooling unit, fans, control panel and may house



### Applications



### Battery innovation and the Circular Economy: What are patents ...

This analysis of over 90,000 secondary battery innovations (measured by international patent families) provides a comprehensive account of the long-ru...

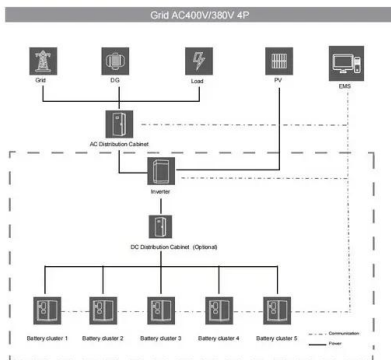
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### US7422113B2

A battery container case comprises an ensemble storage section 21 having made and arranged therein plural holder holes 231 that hold individually respectively cylindrical batteries 10 upright in such a way ...



### US Patent Application for SOLAR ENERGY CONTAINER SYSTEM ...

The present disclosure describes a solar energy storage system. A storage container is provided, comprising a base having a compartment defined by a planar exterior surface and a planar interior ...





## Solar-powered refrigerated container

The container is solar-powered with a solar collector on its outer surface, but it also has an internal battery, which powers a thermoelectric cooling unit, fans, control panel and may house ...



## KR102772852B1

The present invention relates to an eco-friendly solar container system that can be installed without a separate permit in a container space to which an independent solar power generation system is ...

## US20250070710A1

Definitions the present invention relates to the field of solar power generation substrates and systems, and more specifically relates to a solar panel protective container apparatus and system configured ...



## Cellular phone case capable of charging battery by solar energy

A cellular phone case includes a container having a box and a lid to close the opening of the box. A solar cell is provided on the lid to be exposed under sun light. A circuit board is provided in the box ...



## **(19) United States (12) Patent Application Publication (10) Pub.**

The solar module may be planar or Substantially planar (for example, a 'solar panel"), or may have any shape that maximizes the Solar module's exposure to light energy.



## **Solar Powered Case for Charging Electronic Devices**

Solar cell systems for charging the batteries of electronic devices such as mobile phones, tablets, music devices, and laptops and many other related battery charging products are typically provided as ...

## **United States solar powered reefer container**

Solar-powered refrigerated container . United States Patent 8353167 . Abstract: A portable, solar assisted, temperature controlled container comprises: a body with a cavity; a lid sealable thereon; a ...



## **US10536007B2**

The battery pack controller operates the battery pack cell balancer and the battery pack charger to control a state-of-charge of each battery cell of the plurality of battery cells. In an embodiment, the ...



## U.S. Patent Application for SOLAR PANEL PROTECTIVE CONTAINER ...

The present invention relates to the field of solar power generation substrates and systems, and more specifically relates to a solar panel protective container apparatus and system configured to protect ...

- LiFePO<sub>4</sub> Battery, safety
- Wide temperature: -20~55°C
- Modular design, easy to expand
- The heating function is optional
- Intelligent BMS
- Cycle Life: > 6000
- Warranty: 10 years



## Battery and solar powered refrigerating system (Patent) , OSTI.GOV

It minimizes the operating times of the compressor and condenser fan necessary to maintain preferred temperatures inside the container in order to minimize the drain on batteries which are provided for ...

## Solid-State Battery Patents

Solid-state battery patents are legal documents that grant inventors exclusive rights to their innovations in solid-state battery technology. These patents cover a wide range of aspects, ...



## US7388348B2

The portable solar energy system stores electrical energy generated by a solar panel, which is made of an array of photovoltaic cells, in a dc storage battery, and upon demand converts the dc voltage of ...



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