Solar Energy

Mobile solar container system invention patent

Overview

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 applied, and that can utilize energy generated and charged by solar power even in. 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 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. ainers, or of the likes. More specifically, the system is a solar panel array that is compact and is stackab e on top of one another. Further, the device includes an integrated corner casting mechanism to assist the fastening points of the array frame onto trailers of a vehicle, shipping con. [0002] 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 refrigeration. Abstract: The present invention relates to a portable solar powered cold storage system comprising of solar power source; string junction box; charge regulator; solar off-grid inverter; battery unit; cooling unit; and evaporator unit. Output from the solar power source is fed into the string. A method and system for a mobile power generation system is disclosed. The mobile power generation system may comprise one or more shipping containers, which may be pre-wired and pre-configured so that configuration and deployment at the deployment site is simplified. The one or more shipping.

Mobile solar container system invention patent

US20250070710A1

The system is sufficiently large to cover parking lots and other large ground surface structures and offers double the conventional solar exposure surface area per supporting post. The apparatus generates ...

Best Foldable Solar Container for Off-Grid Power , Sunmaygo

Sunmaygo Solarfold(TM): World's Best Foldable Solar Container for Off-Grid Power Revolutionary mobile solar energy systems with 40% higher energy density. Deploy in under 6 hours and cut energy costs ...

Container Foldable Photovoltaic Panels --Portable Power Generation ...

The containerized mobile foldable solar panel is an innovative solar power generation device that combines the portability of containers with the renewable energy characteristics of solar ...

US Patent Application for SOLAR ENERGY INTERMODAL ...

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

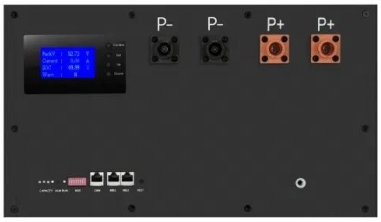
interior ...

Mobile Solar Containers , SolaraBox Portable & Rapid-Deploy Solar ...

The SolaraBox mobile solar container is a portable solar power plant that delivers reliable electricity with minimal setup. It's road-ready and quick to deploy, making it ideal for remote worksites, disaster ...

US8353167B2

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 ...



MOBILE SOLAR AND STORAGE POWER GENERATION SYSTEM ...

A method and system for a mobile power generation system is disclosed. The mobile power generation system may comprise one or more shipping containers, which may be pre-wired and pre-configured ...

U.S. Patent Application for Solar Powered Refrigerated Container Patent

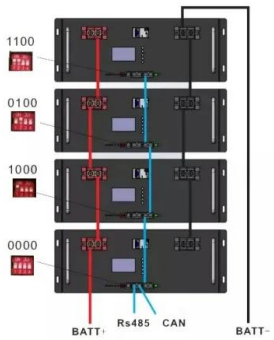
The present invention relates generally to an environmentally friendly refrigeration unit and more particularly solar-powered refrigeration container that allows stored foods, beverages and other ...

PORTABLE SOLAR ENERGY CAPTURING SYSTEM

SUMMARY OF THE INVENTION [0005] The present invention is intended to provide a portable and mobile solar panel that attaches to trailers, shipping con. ainers, or of the likes. More specifically, the ...

Solar Powered Case for Charging Electronic Devices

In view of the foregoing disadvantages inherent in the known types of solar powered charging devices now present in the prior art, the present invention provides a solar powered case wherein the same ...



Mobile Solar Container Solution, Mobile Solar , Statcon ...

Statcon Energiaa's Solar Container Solution integrates solar power and battery storage into a powerful pre-wired system- Integrated solar array, battery, ...

Efficient mobile solar power units for iso shipping ...

Efficient mobile solar power units for shipping containers You have a container. Let's power it with carbon-free, cost-efficient, plug-and-play, electricity. We are ...

Solarcontainer: The mobile solar system

Mounted on this frame is the innovative PV rail system and the clever folding mechanism of the solar panels, which enable the transport dimensions and lifting points of a standard 20f high cube ...

WO2010084212A1

This invention comprises a mobile solar unit that can be moved to different places where a power point or lighting is required. To achieve this, the invention implements a mobile solar unit that is ...

CN102889768A

The invention discloses a solar dryer. The dryer consists of a flat-plate solar collector, a medium pipeline and a drying cabin, wherein heat absorbers of the collector are filled with heat-conducting media with ...

Solarcontainer explained: What are mobile solar systems?

In transport state, the mobile PV system initially appears like a standardized container frame with lots of material inside. This is mainly due to the well thought-out and modular system, which is based on the ...

Solar Powered Cold Storage System

Abstract: The present invention relates to a portable solar powered cold storage system comprising of solar power source; string junction box; charge regulator; solar off-grid inverter; battery ...

Solar-powered refrigerated container

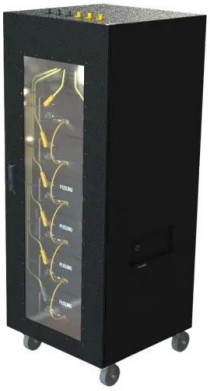
The container utilizes solar energy gathered from a solar collector on its outer surface to power a refrigeration system that is able to maintain a temperature that is 40 gree. below the ...

Mobile Solar Container Power Generation Efficiency: Real-World

Discover how mobile solar containers deliver efficient, off-grid power with real-world data, innovations, and case studies like the LZY-MSC1 model.

MOBILE SOLAR AND STORAGE POWER GENERATION SYSTEM ...

The present application relates generally to the field of a solar and storage system. Specifically, the disclosure relates to a mobile solar and storage power generation system and method. ...



Efficient mobile solar power units for iso shipping containers

Efficient mobile solar power units for shipping containers You have a container. Let's power it with carbon-free, cost-efficient, plug-and-play, electricity. We are experts in solar energy. Our patent ...

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