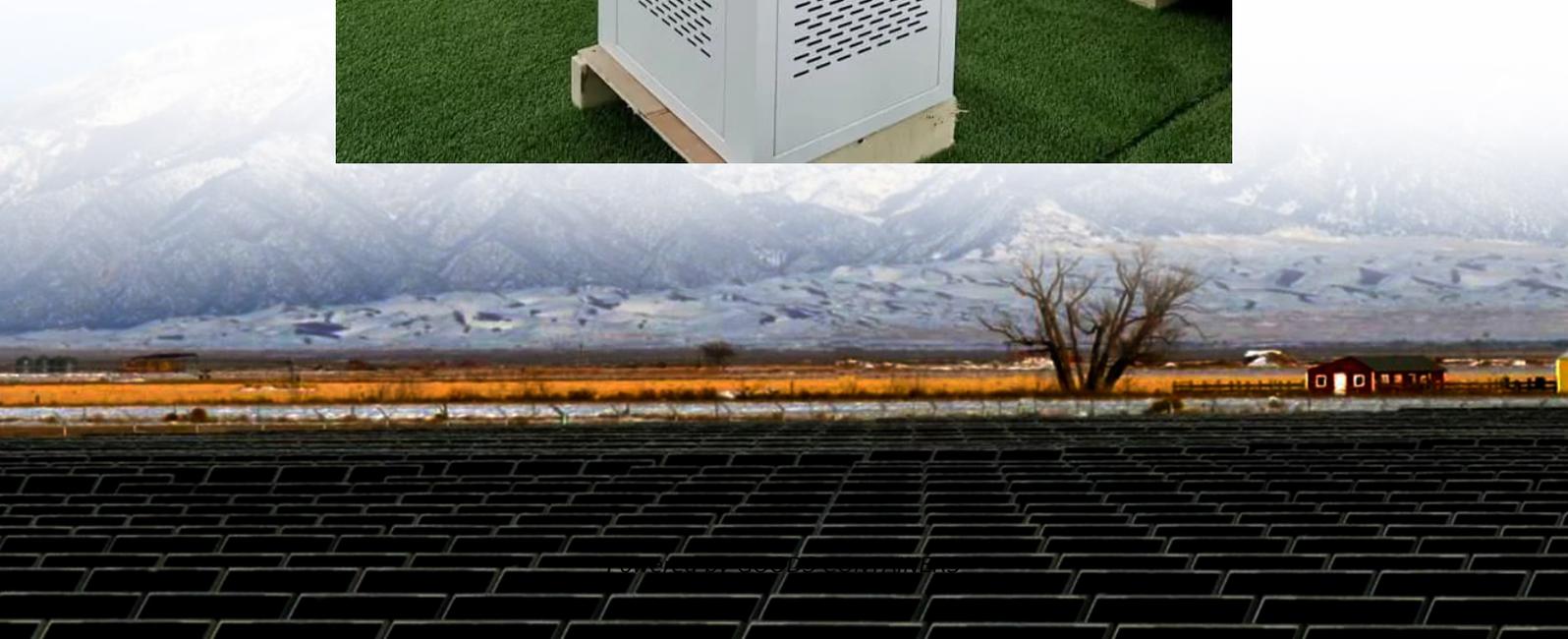


High-Temperature Resistant Type of Eastern European Solar Containers for Marine Use





Overview

Which thermal energy storage materials are used in air heating systems?

Saxena et al. [89] experimentally investigated the thermal performance of an air heating system with three different thermal energy storage materials. The materials employed were granular carbon powder, paraffin wax and combination of both.

What are the different types of thermal energy storage containers?

Guo et al. [19] studied different types of containers, namely, shell-and-tube, encapsulated, direct contact and detachable and sorptive type, for mobile thermal energy storage applications. In shell-and-tube type container, heat transfer fluid passes through tube side, whereas shell side contains the PCM.

What is a high temperature storage material?

The main technological innovation of the company relies on the developed high temperature storage material in the form of purposely produced pellets or bricks, with high heat capacity and thermal conductivity.

Can a PCM container be used as a cold thermal energy storage system?

Appl Therm Eng 141 (June):928–938 Ghahramani Zarajabad O, Ahmadi R (2018) Employment of finned PCM container in a household refrigerator as a cold thermal energy storage system. Thermal Sci Eng Progress 7:115–124



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