

## PEES Power Systems

# Solar air conditioning at sea



智慧能源储能系统  
Intelligent energy storage system



## Overview

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The solution is a Sea Water Air Conditioning (SWAC) system. This system permits to save about 42% of energy comparing to a conventional AC system. Image: Canva Pro As global temperatures continue to rise and the demand for cooling surges, the need for sustainable solutions become increasingly urgent. Ecologically responsible, they can considerably reduce your energy consumption and CO2. A solar powered air conditioner for boat is an innovative solution for keeping you cool while enjoying the serenity of the open water.

## Solar air conditioning at sea

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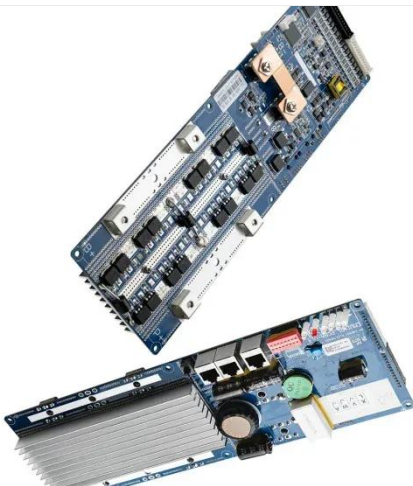
### High velocity seawater air-conditioning with thermal energy

The rapid increase in cooling demand for air-conditioning worldwide brings the need for more efficient cooling solutions based on renewable energy. Sea-water air-conditioning (SWAC) can provide base ...

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### Solar Powered Air Conditioner For Boat-Cool Comfort On Water

Discover the benefits of solar powered air conditioners for boats. Learn how they work, their advantages, installation tips, and top models to keep your boat cool and eco-friendly.



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### Sea Water Air Conditioning SWAC

This solution aims to drastically reduce the amount of energy consumed to produce air conditioning while using a renewable natural source of cold. The solution could be implemented ...

## Sustainable cooling and heating solutions with seawater

Geocean has developed an offer that allows you to finance, design, and construct an air-conditioning and heating system that uses seawater. Once the infrastructure is installed, we can ensure that it is ...



### ESS



## Sea Water Air Conditioning (SWAC): A Resilient and Sustainable

Sea Water Air Conditioning (SWAC) is a highly efficient alternative to conventional air conditioning that uses deep seawater as a cooling source (Free Cooling).

## Sustainable cooling: A deep dive into seawater air-conditioning

The Caribbean Sea presents an opportunity to leverage its natural cooling properties through seawater air-conditioning (SWAC) technology. By tapping inexhaustible cold, deep ...



## Integrating seawater air



## conditioning and mobilized thermal energy

In conclusion, this paper presents a novel integration of Seawater Air Conditioning (SWAC) with Mobilized Thermal Energy Storage (M-TES) as a viable solution to meet the rising ...

## Seawater Air Conditioning , 40+ Years of Proven ...

Makai designs Seawater Air Conditioning (SWAC) systems that use deep seawater to provide renewable cooling for islands, resorts, and coastal cities.



## Seawater Air Conditioning System Implementation , CMEMS

Deprofundis is a private company specialised in SWAC systems, i.e. ecological air conditioning technology using cold water. The group also offers consulting services to analyse the energy ...

## SEAWATER AIR CONDITIONING SYSTEM IMPLEMENTATION

SWAC (Sea-water air conditioning) aka

DWSC (Deep water source cooling) is an innovative and ecological Air Conditioning technology which uses the renewable source of cold oceanic water.



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