

**EQACC SOLAR**

# High-performance 120kW energy storage container for oil platforms



**European  
Warehouse**



**7-15 days**  
Delivery

**ONE-STOP SOLUTION**

**65kWh 30kW**

**130kWh 30kW**

**130kWh 60kW**

## Overview

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This paper presents a technology suitability assessment (TSA) of high-power energy storage (ES) systems for application in isolated power systems, which is demonstrated through the case of offshore oil an.

Can high-power energy storage systems be used in isolated power systems?

This paper presents a technology suitability assessment (TSA) of high-power energy storage (ES) systems for application in isolated power systems, which is demonstrated through the case of offshore oil and gas platforms (OOGPs).

What technologies are suitable for offshore oil and gas platforms?

Offshore oil and gas platform Technology suitability assessment Energy storage Supercapacitors Lithium-ion batteries Flywheels Superconducting magnetic energy storage Abbreviations DFIM Doubly fed induction machine ELDC Electrostatic double layer capacitor ES Energy storage ESR Equivalent series resistance FC Fuel cell GT.

Can energy storage systems be deployed offshore?

The present work reviews energy storage systems with a potential for offshore environments and discusses the opportunities for their deployment. The capabilities of the storage solutions are examined and mapped based on the available literature. Selected technologies with the largest potential for offshore deployment are thoroughly analysed.

What is a full scale energy storage system?

A full scale could be composed of four floating cylinders of 6 m diameter each. The full scale will be able to store energy up to 5 MWh with a round-trip efficiency of around 75% . The technology uses pressur- sidered hazardous or flammable . The HPES is a floating structure that can stand alone

## High-performance 120kW energy storage container for oil platforms



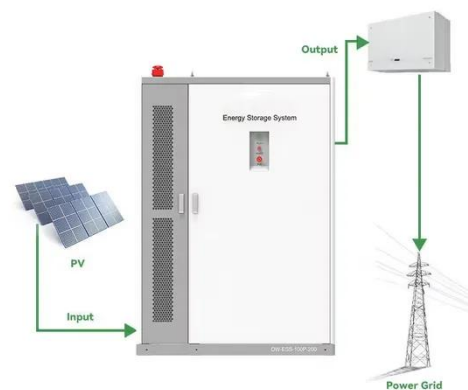
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## Suitability assessment of high-power energy storage ...

**Abstract** This paper presents a technology suitability assessment (TSA) of high-power energy storage (ES) systems for application in isolated power systems, which is ...



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