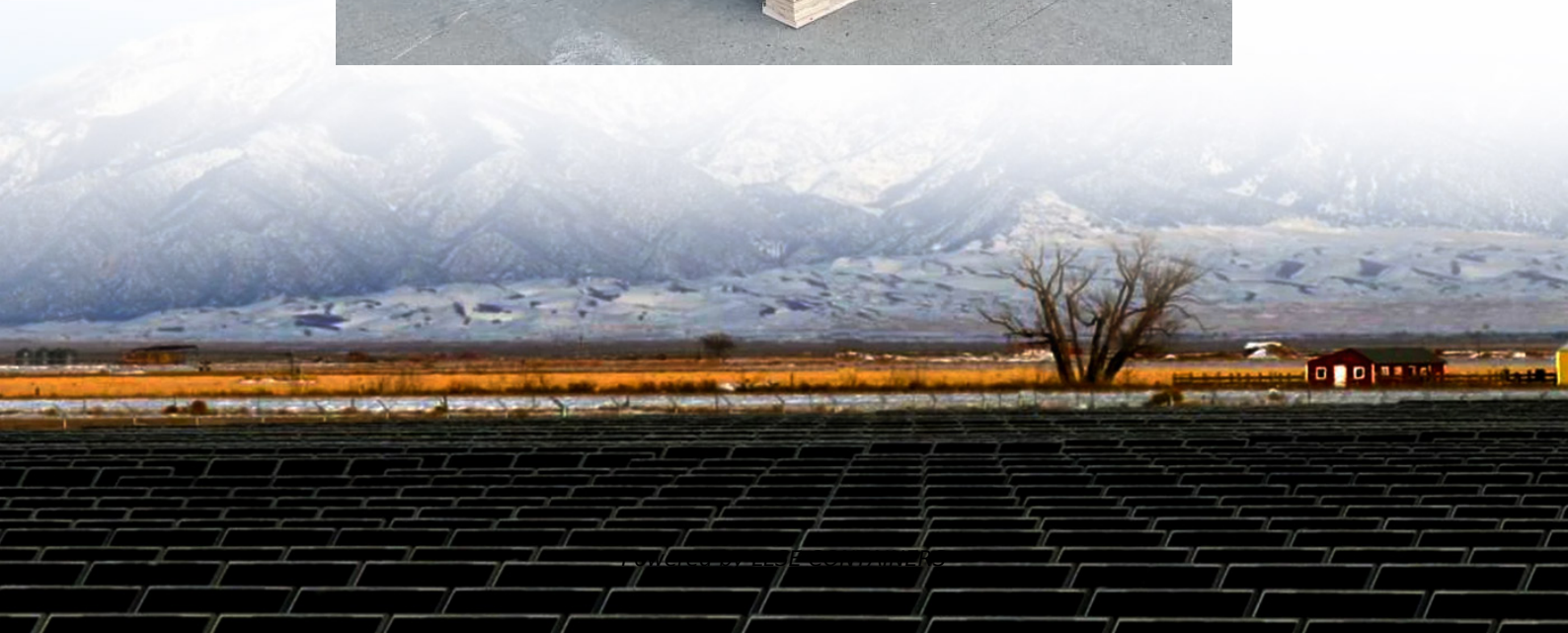


# **Hargeisa Energy Storage Liquid Cooling Integrated Machine**





## Overview

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Is vapor compression refrigeration technology a promising energy-saving solution?

Therefore, the integration of vapor compression refrigeration technology, vapor pump heat pipe technology and heat pump technology for temperature control of energy storage containers is a promising energy-saving solution.

What is a 5MWh liquid-cooling energy storage system?

The 5MWh liquid-cooling energy storage system comprises cells, BMS, a 20'GP container, thermal management system, firefighting system, bus unit, power distribution unit, wiring harness, and more. And, the container offers a protective capability and serves as a transportable workspace for equipment operation.

Can phase change materials be used to store cryogenic energy?

As of now, most of the literature studies on LAES designed to store the cryogenic energy using sensible heat material and only few works (including one recently carried out by the authors) proposed the implementation of phase change materials (PCMs) as alternative promising solution.



## Hargeisa Energy Storage Liquid Cooling Integrated Machine



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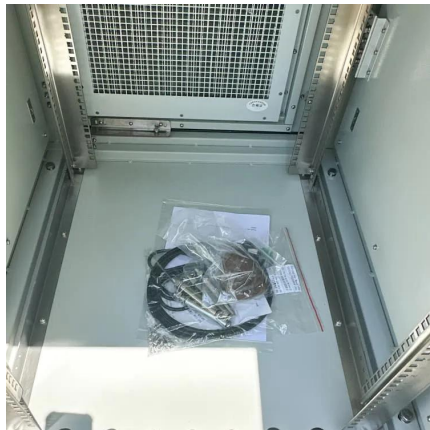
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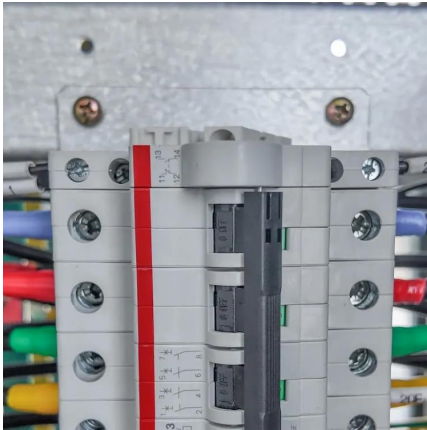
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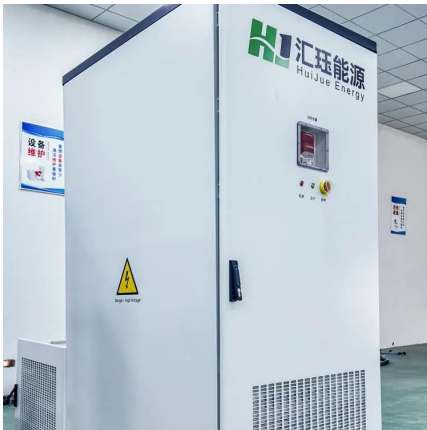


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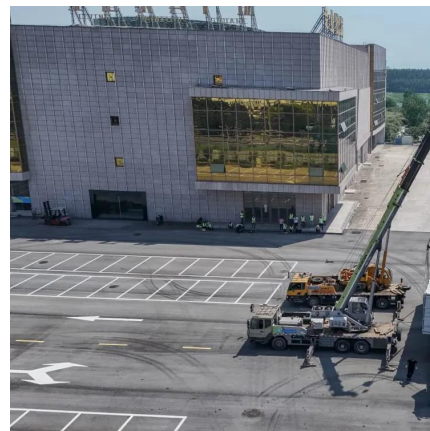


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