

## ContainerPower Energy Solutions

# Energy storage liquid cooling variable frequency



**European  
Warehouse**



 **7-15 days**  
Delivery

**ONE-STOP SOLUTION**

**65kWh 30kW**

**130kWh 30kW**

**130kWh 60kW**



## Overview

---

Advanced liquid cooling strategy: Full variable-frequency cooling units with cluster-level throttling achieve Pack temperature differences  $< 2.5^{\circ}\text{C}$ , reducing thermal fluctuations and extending battery life by approximately 15%.

Advanced liquid cooling strategy: Full variable-frequency cooling units with cluster-level throttling achieve Pack temperature differences  $< 2.5^{\circ}\text{C}$ , reducing thermal fluctuations and extending battery life by approximately 15%.

Liquid cooling BESS systems circulate coolant—typically water or glycol solutions—through the system to absorb and remove heat. This enables rapid heat dissipation and precise thermal control, making liquid cooling an ideal solution for large-scale, high-voltage energy storage projects. 1. Superior.

High cooling efficiency, reducing electricity costs The liquid cooling system supports high-temperature liquid supply at  $40\text{--}55^{\circ}\text{C}$ , paired with high-efficiency variable-frequency compressors, resulting in lower energy consumption under the same cooling conditions and further reducing overall.

The project features a 2.5MW/5MWh energy storage system with a non-walk-in design which facilitates equipment installation and maintenance, while ensuring long-term safe and reliable operation of the entire storage system. The energy storage system supports functions such as grid peak shaving.

Liquid-cooled VFDs are one such technology that is revolutionizing the way Hiconics VFD manufacturer store and manage our energy resources. Liquid-cooled VFDs, or variable frequency drives, are a type of electrical device that controls the speed of an electric motor by varying the frequency of the.

Ranging from 208kWh to 418kWh, each BESS cabinet features liquid cooling for precise temperature control, integrated fire protection, modular BMS architecture, and long-lifespan lithium iron phosphate (LFP) cells. Designed for safety, efficiency, and fast deployment, these plug-and-play systems are.

Liquid cooling addresses this challenge by efficiently managing the temperature of energy storage containers, ensuring optimal operation and longevity. By maintaining a consistent temperature, liquid cooling systems prevent the overheating that can lead to equipment failure and reduced efficiency.

## Energy storage liquid cooling variable frequency

---

### Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://websparafotografos.es>