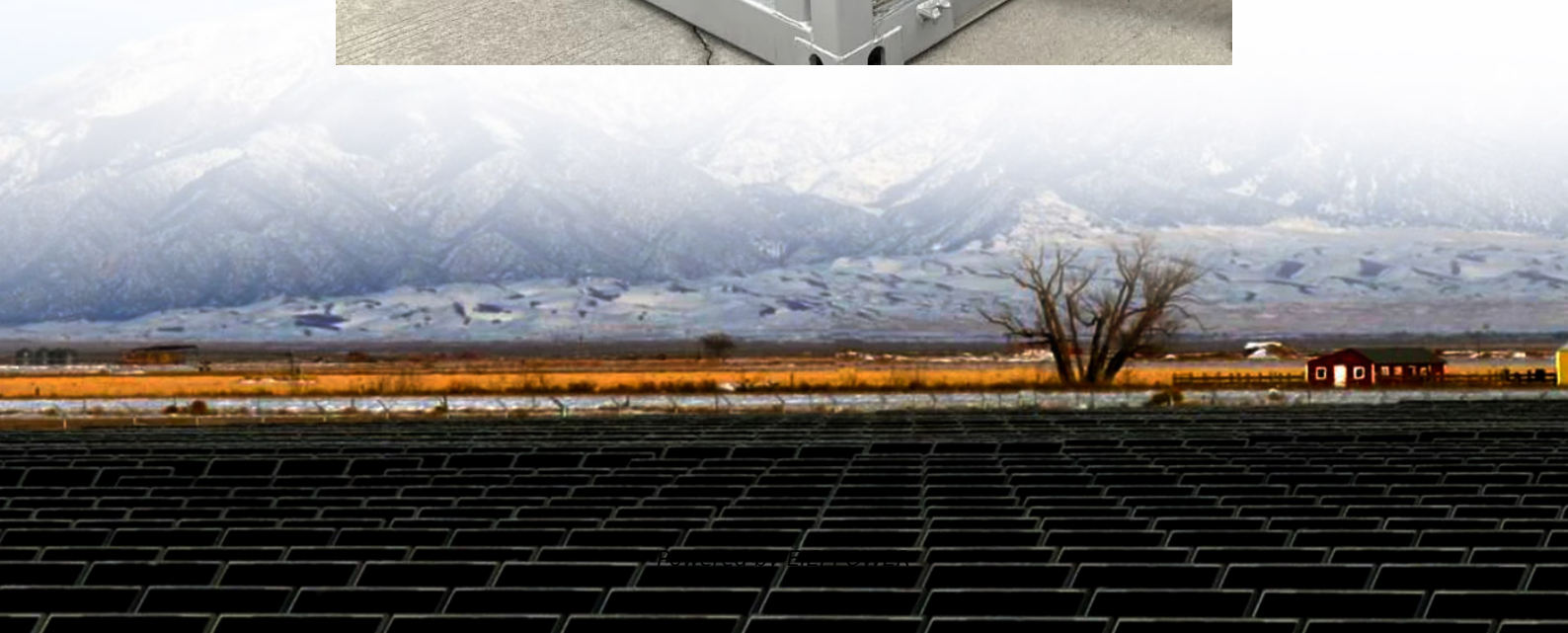


# **Working principle of container energy storage unit**





## Overview

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What is a containerized energy storage system?

A Containerized Energy-Storage System, or CESS, is an innovative energy storage solution packaged within a modular, transportable container. It serves as a rechargeable battery system capable of storing large amounts of energy generated from renewable sources like wind or solar power, as well as from the grid during low-demand periods.

Can I add more container units to my energy storage system?

Each container unit is a self-contained energy storage system, but they can be combined to increase capacity. This means that as your energy demands grow, you can incrementally expand your CESS by adding more container units, offering a scalable solution that grows with your needs.

Does ABB offer a containerized energy storage system?

ABB's Containerized Energy Storage System is suitable for a wide variety of ships [shipsabb.com/marine](http://shipsabb.com/marine)—We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept.

What is a container principle?

The container principle. If you increase the surface area of a shape, the volume increases at a more than proportional rate. If you double the surface area, the volume of goods that can be transported could increase the volume fourfold. The new containers enabled an exploitation of this principle because they were larger than previous small boxes.



## Working principle of container energy storage unit

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summarized in three stages: (1) Charging - The system stores electricity generated by ...

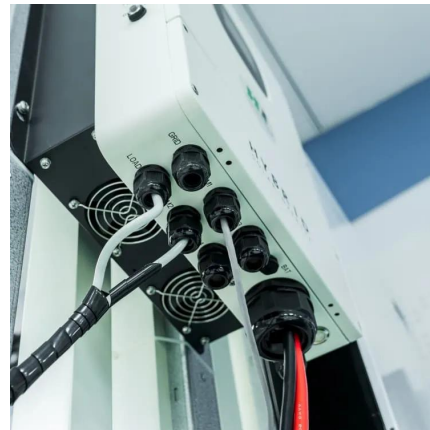


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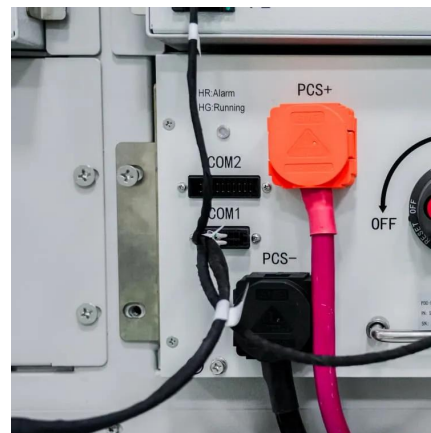
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