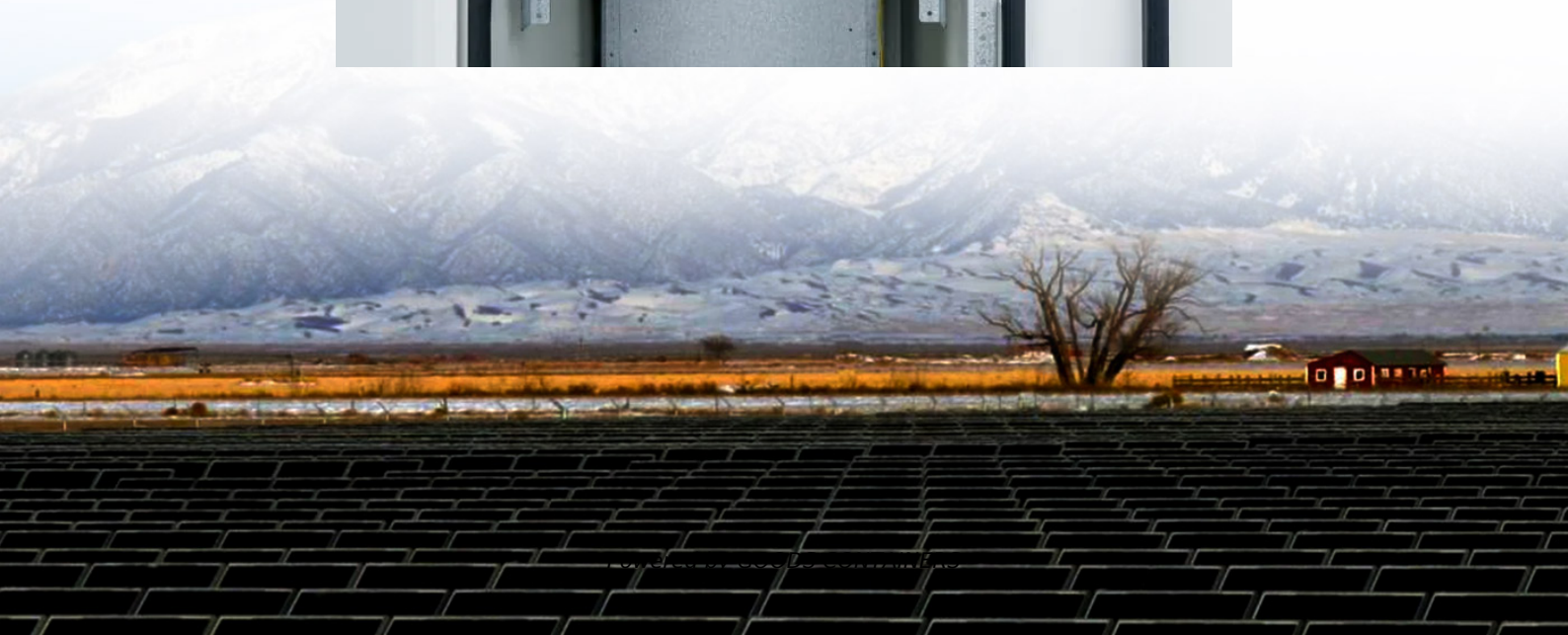


# **Cost of a 10kW Energy Storage Container for US Island Use**





## Overview

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Which energy storage technologies are included in the 2020 cost and performance assessment?

The 2020 Cost and Performance Assessment provided installed costs for six energy storage technologies: lithium-ion (Li-ion) batteries, lead-acid batteries, vanadium redox flow batteries, pumped storage hydro, compressed-air energy storage, and hydrogen energy storage.

How much will a Bess DC container cost in 2024?

It means the price for a BESS DC container – comprising lithium iron phosphate (LFP) cells, 3.7MWh and 4-hour duration, delivered with duties paid from China to the US – will have nearly halved by the end of 2024 compared to the highs of 2022, when it hit US\$270/kWh.

What is the energy storage Grand Challenge?

The U.S. Department of Energy's (DOE) Energy Storage Grand Challenge is a comprehensive program that seeks to accelerate the development, commercialization, and utilization of next-generation energy storage technologies.

Why are energy storage costs so high – irrational?

Within energy storage, fears of critical raw material shortages in the face of soaring EV demand (with growth rates of 60%) led to “irrational buying behaviour”, Shreve said, leading to a 270% increase in lithium carbonate costs from Q3 2021 to Q4 2022.



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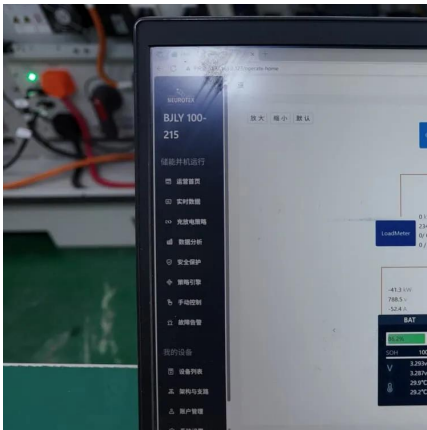


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