

ContainerPower Energy Solutions

New low price for energy storage battery purchase



Overview

How much does a lithium-ion battery cost?

Lithium-Ion Battery Pack Prices See Largest Drop Since 2017, Falling to \$115 per Kilowatt-Hour, BloombergNEF (Dec. 10, 2024) Id. U.S. Storage Energy Monitor, Wood Mackenzie Power & Renewables/American Clean Power Association, at 3 (Dec. 2022).

Are battery storage systems safe?

For battery storage technologies in particular, safety requirements should adequately address fire risks. Battery fires for utility-scale systems can be especially dangerous, and those concerns are only compounded as battery chemistries evolve to incorporate higher-energy densities and operate at higher temperatures.

Will a new tax policy affect the lithium-ion battery market?

Another year of growth in the utility-scale storage market also marked a second consecutive year of record lows in the installed cost of lithium-ion batteries. However, trade actions and changes to tax policy have the potential to increase costs and dampen short-term growth.

Can battery energy storage be deferred?

This is particularly true for battery energy storage, which has a relatively small footprint and can often be developed by utilities on utility-owned land that is immediately adjacent to substations and where such energy storage resources may have incremental value in terms of deferring upgrades.

Can new tariffs be added to batteries from outside the United States?

New tariffs may be added to batteries procured from outside the United States, particularly from China, which is discussed in greater detail in Addressing Tariffs and Trade in Energy Storage Projects.

What happens if a battery procurement is delayed?

Delays in the procurement of batteries could lead to failures to comply with regulatory mandates, or, for utilities opting to install storage as non-wires alternatives in place of other system upgrades, the failure to implement necessary system improvements.

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