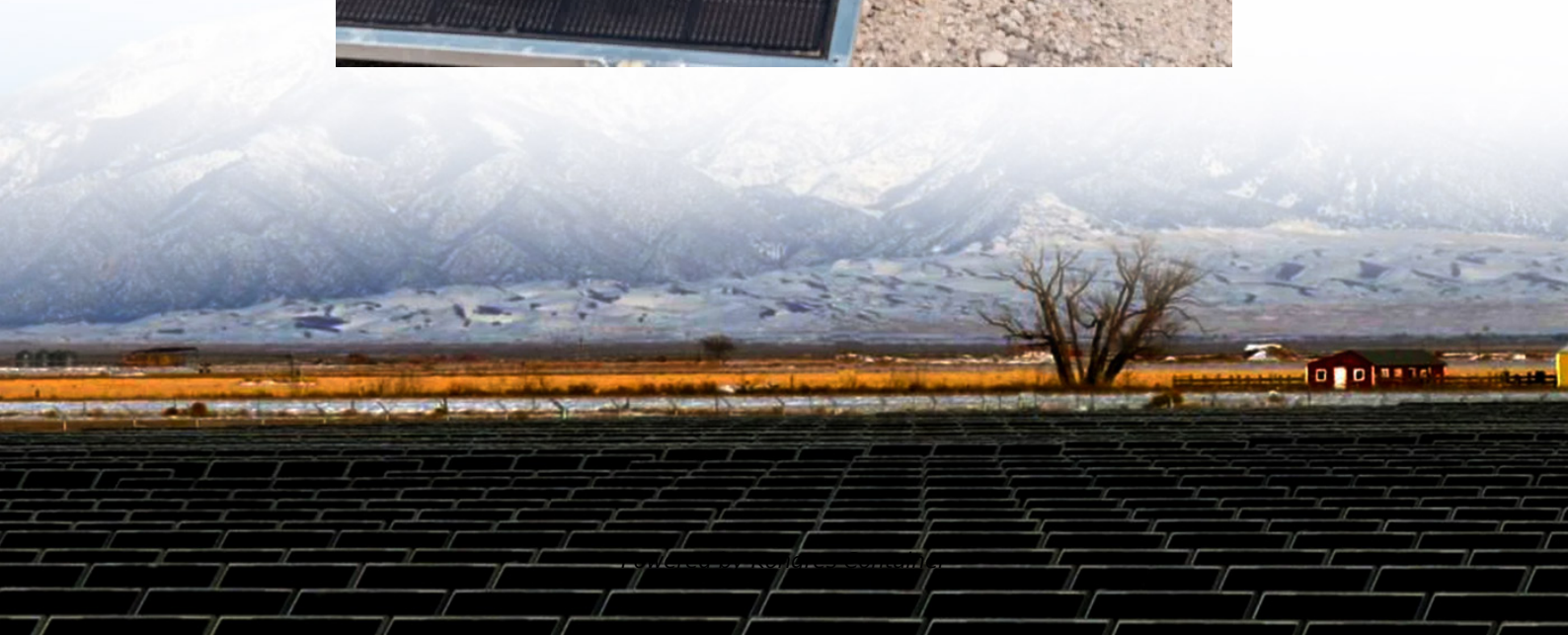


## Kongres Container

# Sofia Electrochemical Energy Storage Power Station



## Overview

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What are the end-of-life costs of energy storage power stations?

After the end of the service life of the energy storage power station, the assets of the power station need to be disposed of, and the end-of-life costs mainly include asset evaluation fees, clean-up fees, dismantling and transportation fees, and recycling and regeneration treatment fees.

What is electrochemical energy storage (EES) technology?

1. Introduction Currently, carbon reduction has become a global consensus among humankind. Electrochemical energy storage (EES) technology, as a new and clean energy technology that enhances the capacity of power systems to absorb electricity, has become a key area of focus for various countries.

What is energy storage?

Energy storage is the process of storing energy through media or equipment and releasing it when needed (Hua, 2019). Energy storage enables the temporal and spatial transfer of electric energy, which can effectively isolate the production and utilization of electric power.

Is user-side battery energy storage economically feasible?

Economic Feasibility of User-Side Battery Energy Storage Based on Whole-Life-Cycle Cost Model. *Power Syst. Technol.* 40 (8), 2471–2476. Yang, Y. (2021). Lead Carbon Battery Should Be the First Choice for Large-Scale Energy Storage.

What is residual value of energy storage power station?

Therefore, the residual value of an energy storage power station is defined as the residual value at the end of the life of the power station, excluding the disposal cost. If the disposal fee is greater than the recycling value of the power station, it is the cost; otherwise, it is the income.  $\gamma$  is related to the type

of battery technology.

What is the learning rate of China's electrochemical energy storage?

The learning rate of China's electrochemical energy storage is 13 % ( $\pm 2$  %).  
The cost of China's electrochemical energy storage will be reduced rapidly.  
Annual installed capacity will reach a stable level of around 210GWh in 2035.  
The LCOS will be reached the most economical price point in 2027  
optimistically.

## Sofia Electrochemical Energy Storage Power Station

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