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# **Operational costs of energy storage on the power generation side**





## Overview

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What is energy storage operation & maintenance cost?

The operation and maintenance cost are the dynamic investment to ensure the normal operation of energy storage in its service life, which usually includes a fixed part determined by the power conversion system and a variable part determined by the charge and discharge capacity of energy storage.

How important is the optimal operation of a shared energy storage system?

Hence, examining the optimal operation of the power system is exactly important when incorporating shared energy storage systems, as well as the associated dynamics and cost-benefit allocation among the participating entitiesd dynamics and cost-benefit allocation among the participating entities.

What is a shared energy storage-assisted power generation system?

3. Combined operational and cost allocation models for shared energy storage-assisted power generation systems Here, the power generation system comprises a collection of renewable energy power stations ( $n = 1, 2, \dots, n, N$ ), specifically wind power plants and photovoltaic power plants, which are connected to a shared energy storage power station.

Can shared energy storage be implemented in power generation side?

The proposed operation and cost-sharing model is anticipated to serve as a useful reference for the widespread implementation of shared energy storage in power generation side.



## Operational costs of energy storage on the power generation side



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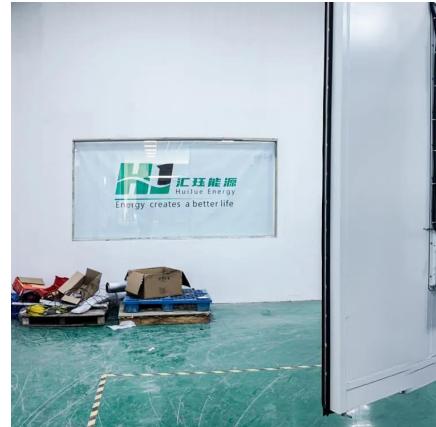
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