

## Kongres Container

# Energy storage configuration for the Heishan solar project



## Overview

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What is the optimal configuration of energy storage capacity?

The optimal configuration of energy storage capacity is an important issue for large scale solar systems. a strategy for optimal allocation of energy storage is proposed in this paper. First various scenarios and their value of energy storage in PV applications are discussed. Then a double-layer decision architecture is proposed in this article.

What is the investment cost of energy storage system?

The investment cost of energy storage system is taken as the inner objective function, the charge and discharge strategy of the energy storage system and augmentation are the optimal variables. Finally, the effectiveness and feasibility of the proposed model and method are verified through case simulations.

Can a comprehensive evaluation index be used to evaluate energy storage projects?

The results show that the comprehensive evaluation index can be aimed at the concerns of energy storage investors, comprehensively evaluate the feasibility of the energy storage project, and obtain the corresponding energy storage scale when the comprehensive evaluation index is the highest.

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