

# **How much investment is needed for a mobile energy storage container hybrid system**





## Overview

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What is the total system cost of mobile energy storage?

The total system cost of mobile energy storage is the same as that of fixed energy storage, including investment cost, operating cost, and recovery cost. Unlike mobile energy storage, which incurs transportation costs during energy transportation, fixed energy storage incurs line transportation costs during energy transportation.

What is investment cost of energy storage system?

The investment cost of energy storage system is the unit power investment cost of energy storage system  $C_{pinv}$ , the ratio of rated energy storage power  $P_{rate}$  to energy storage discharge capacity  $W_{disc}$ , and finally the investment cost of energy storage system in CNY/kWh units.

What is the difference between fixed energy storage and mobile energy storage?

Unlike mobile energy storage, which incurs transportation costs during energy transportation, fixed energy storage incurs line transportation costs during energy transportation. Among them, the investment cost covers the initial investment cost of battery energy storage and auxiliary equipment.

Does energy storage cost a microgrid?

In the microgrid model containing energy storage, the operating and maintenance costs of the energy storage model are introduced, but the investment cost of energy storage is not considered.



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