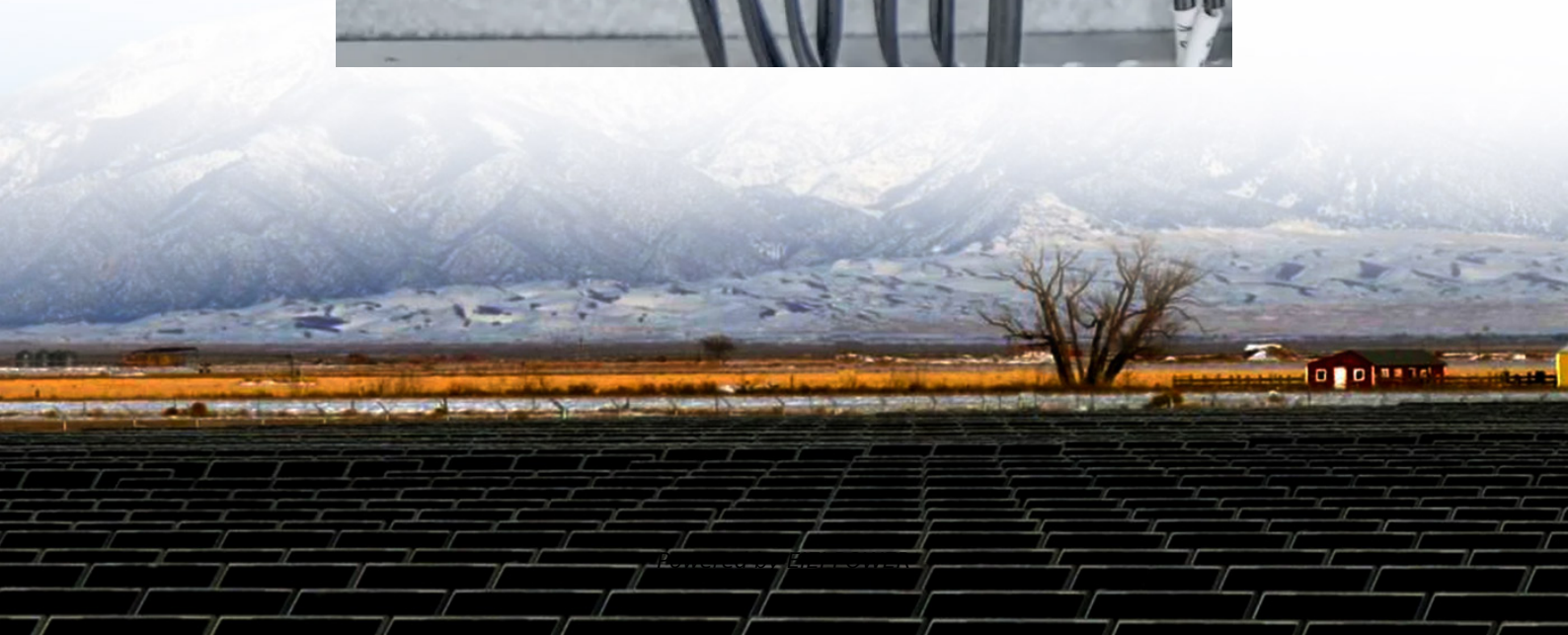


# Poor voltage consistency of energy storage batteries





## Overview

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How does the inconsistency of a battery pack affect its performance?

The influence mechanism of the inconsistency of the battery pack can be summarized as follows: the material and manufacturing process determine the performance of cell, which is reflected in the cell parameters. Cell performance and group technology affect the consistency of battery pack's electrical, thermal and aging behaviors.

What causes battery inconsistency?

Specifically, differences in battery materials, manufacturing, and service conditions can cause battery inconsistencies. According to different principles, inconsistency evaluation methods can be summarized as statistical-based, machine learning-based, and information fusion-based methods.

What are the risks of battery inconsistency?

From material to manufacture and usage, the process and conditions of each link affect battery consistency. The hazards of battery pack inconsistency include increasing system failure rate, reducing service performance and accelerating life decay.

What factors affect the consistency of battery cells?

Another important factor that affects the consistency of battery cells is battery grouping technology. The topology of the battery pack has a direct impact on the thermal behavior of the system .



## Poor voltage consistency of energy storage batteries



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