

# What are the solid-state energy storage projects





## Overview

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What is an energy storage project?

An energy storage project is a cluster of battery banks (or modules) that are connected to the electrical grid. These battery banks are roughly the same size as a shipping container. These are also called Battery Energy Storage Systems (BESS), or grid-scale/utility-scale energy storage or battery storage systems.

Can solid-state battery technology revolutionize energy storage?

Rapid advancements in solid-state battery technology are ushering in a new era of energy storage solutions, with the potential to revolutionize everything from electric vehicles to renewable energy systems.

Where are the energy storage projects being built?

The energy storage projects will be located at three existing SCE power substations: 225 MW at Springvale Substation in Big Creek-Ventura, 200 MW at Hinson Substation in the Los Angeles Basin, and 112.5 MW at Etiwanda Substation in the Los Angeles Basin.

What are the advantages of solid state batteries?

The use of solid electrolytes results in higher voltage stability, longer cycle life, and enhanced energy storage capabilities. This makes solid-state batteries particularly attractive for renewable energy storage, electric vehicles, and aerospace applications.

### 2. Advantages of Solid-State Batteries



## What are the solid-state energy storage projects



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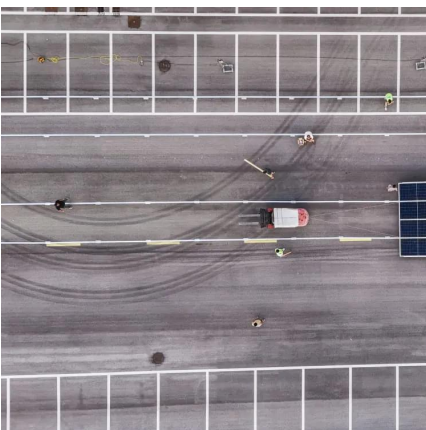
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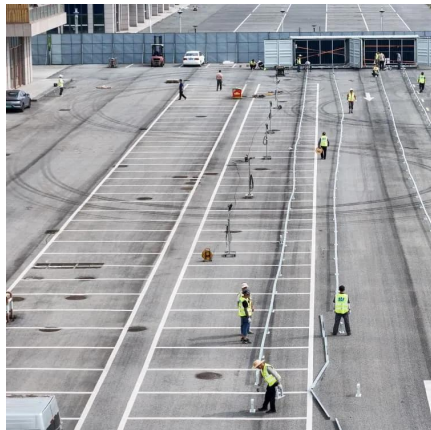
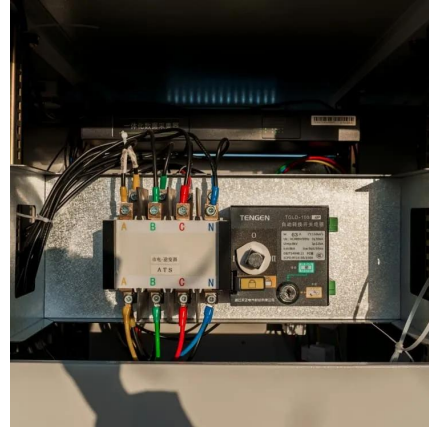
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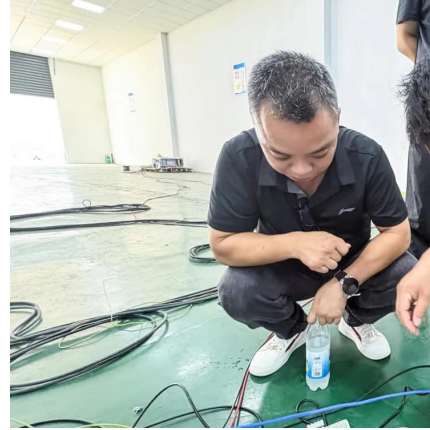
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