

# Outdoor Energy Storage in India





## Overview

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What is the energy storage landscape in India?

Current energy storage landscape in India India's energy storage sector is still emerging, but growth and planning are rapid. Today, pumped hydro storage provides most bulk storage (existing projects total only a few gigawatts and hundreds of megawatt-hours), while grid-scale batteries are just beginning to roll out.

What if India doesn't have a good energy storage system?

India aims to install 500 GW of non-fossil capacity by 2030, with renewables expected to supply roughly 50% of total generation. Such variable resources demand flexible buffers. Without the right types of energy storage systems, curtailment rises and project economics suffer.

What is India's energy storage future?

From spinning rotors to molten salts, and from grid-scale PSH to rooftop lithium-ion batteries, the diversity of energy storage systems unlocks India's clean energy future. They: As costs fall and innovation grows, storage will soon stand shoulder to shoulder with generation.

What is strategic paths for energy storage in India through 2032?

The report, Strategic Pathways for Energy Storage in India Through 2032, tackles these questions. With its sharp analysis and data-driven approach, it maps out practical, affordable ways to roll out storage, highlights priority areas, and explores how different technologies can work for us.



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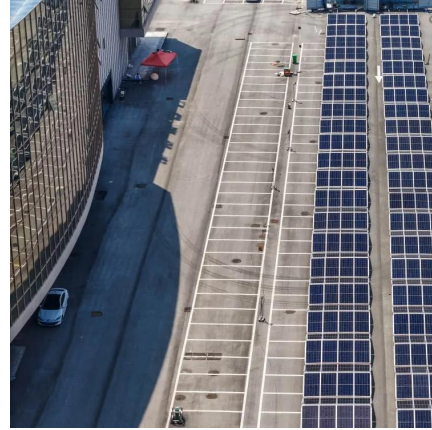


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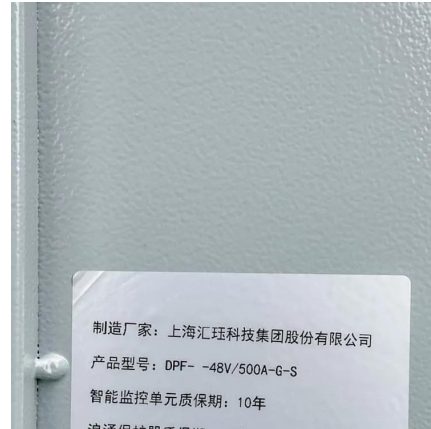
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