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# Pakistan sodium battery energy storage



## Overview

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Pakistan is grappling with a persistent energy crisis—frequent power shortages, high electricity costs, and over-reliance on imported fuels. At the same time, Pakistan possesses vast reserves of salt (sodium chloride)—a resource that could revolutionize energy storage. Sodium-Ion (Na-Ion) batteries.

ISLAMABAD: Energy experts and policy analysts have said that Battery Energy Storage Systems (BESS) can revolutionize Pakistan's energy sector by stabilizing the national grid, reducing load-shedding and ensuring better integration of renewable energy. They shared these views at a seminar organized.

Lithium batteries undoubtedly dominate the energy storage and new energy vehicle sectors. However, with fluctuating raw material prices and uneven resource distribution, the advantages of sodium-ion batteries are gradually becoming apparent: Abundant raw materials: Vast sodium reserves provide more.

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