

SolarTech Power Solutions

Pakistan builds new energy storage battery factory



Overview

Lucky Cement, a large producer and exporter of cement in Pakistan, will soon host the country's largest battery energy storage system (BESS), with a 20.7 MW/22.7 MWh facility getting an update from leadership. Why are low-price battery energy storage systems coming to Pakistan?

The combination of a glut of lithium, a key battery material, and overcapacity of lower-tier China-made batteries has created a flood of cut-price battery energy storage systems for lower-income countries such as Pakistan.

Are battery storage systems too expensive in Pakistan?

The battery storage systems are still too expensive to be adopted as widely as solar has been in Pakistan in the near future. But distributors say prices are falling rapidly and demand continues to grow.

Why is the battery industry growing in Pakistan?

The battery industry in Pakistan is growing due to local manufacturing with high quality and performance. Consumers are satisfied with the features, availability, performance, longer life, and warranty of batteries available in Pakistan, whether in stores or online.

How much money will Lucky invest in a new battery system?

Lucky is investing roughly Rs1.5bn (\$5.3mn) to convert a rubble-strewn site into a 20.7MW unit (22.7MWh) supplied by the world's biggest battery maker CATL, which can hold enough energy to power up to 20,000 homes for an hour. The battery energy storage system will be Pakistan's largest to date, Lucky said.

How much does a BYD battery cost in Pakistan?

Faaz Diwan, director at Karachi-based Diwan International, one of Pakistan's largest solar and battery distributors, said the cost of the BYD batteries he sold had fallen by more than a third since last year to about Rs275,000 for a

5kWh unit that is enough to power a small house.

How will a battery storage system help factories?

The battery storage system will help factories to more cheaply extend their operations beyond daylight hours and scale back the use of fossil fuels, compensating for reliability issues from the grid's renewable sources.

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 **TAX FREE**



ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



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