

## **PDEOZE PowerContainer**

# **West Asia Western Energy Storage Project**



## Overview

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This project is the largest hybrid energy storage installation in China and hosts the world's largest grid-forming vanadium redox flow battery, set to reach a 250 MWh/1 GWh capacity in the project's second phase. What is a regional energy storage system (Ta)?

The proposed regional TA aims to facilitate the scale up of battery energy storage system (BESS) deployment in the ADB's DMCs to enable the high penetration of renewable energy development, achieving the climate change goals in faster pace.

How big is China's energy storage capacity?

CNESA said total energy storage capacity in China stood at 164.3 GW at end-June, up 59% year on year, while cumulative new-energy storage – primarily lithium-ion battery energy storage systems – surpassed 100 GW for the first time, reaching 101.3GW (a 110% increase compared to last year).

Does China's storage mix have a structural transformation?

The report documents a structural transformation in China's storage mix. Pumped hydro, which accounted for 89.3% of capacity at the end of the previous five-year period, has fallen to 37.4% of the fleet; lithium-ion now represents 59.9%.

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