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India purchases solar energy storage



Overview

July 8, 2025 | Haryana, India — Indian renewable energy major ACME Solar Holdings has placed orders totaling over 3.1 GWh worth of Battery Energy Storage System (BESS) equipment with two leading Chinese system integrators: Trina Storage and Narada Power. How many MW of solar PV will India's National Thermal Power Corporation offer?

India's National Thermal Power Corporation has launched a tender for 1,200MW of solar PV with 600MW/2,400MWh of energy storage systems.

What is India's energy storage demand?

According to the NEP 2023, India's storage demand is projected to reach a total capacity of 73.93 GW and an energy storage capacity of 411.4 GWh by 2031 and 2032, with 175.18 GWh from pumped storage hydropower (PSH) and 236.22 GWh from mainstream electrochemical energy storage, ensuring a stable supply of renewable energy.

Which energy storage technology is included in India's national electricity plan?

Electrochemical energy storage technology, represented by Li-ion battery, is included in India's National Electricity Plan for 2022-2032. By the fiscal year of 2031-2032, electrochemical storage will surpass PSH, making it the dominant energy storage technology.

Is Telangana the fifth Indian state to tender for energy storage?

Sector expert Debmalya Sen, lead for energy in India at the World Economic Forum (WEF) commented via LinkedIn that this makes Telangana the fifth Indian state to tender for energy storage through the VGF scheme to date. Sen also noted that it is India's 25th standalone BESS tender to date and the third already to launch in 2025.

Will India achieve a 365 GW PV generation capacity by 2023?

According to the National Energy Plan (NEP) 2023, India aims to achieve a PV installed capacity of 186 GW by 2026-2027 and to reach 365 GW by 2032. Such a vast PV generation capacity will require corresponding energy storage systems to maintain grid stability, making storage technology a crucial element in the current energy transition.

Which NTPC company is launching 300MW solar project in Rajasthan?

300MW Nokhra Solar Project in Rajasthan, India, developed by NTPC subsidiary NTPC Green Energy and brought online in 2024. Image NTPC. India's National Thermal Power Corporation (NTPC) has launched a tender for 1,200MW of solar PV with 600MW/2,400MWh of energy storage systems (ESS).

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