Expected ROI of solar plus storage project in India 2025

Can solar-plus-storage transform India's energy landscape?
As a long-term renewable energy partner in India,we recognize the immense potentialof solar-plus-storage in transforming the country's energy landscape. We are actively exploring co-located solar and storage as well as standalone BESS projects to support energy security,grid reliability,and sustainable economic growth.

Will India become a leader in integrating solar power with energy storage?
According to industry reports,India is set to become one of the leading countries in integrating solar power with energy storage,as the country aims to achieve 500 GW of renewable energy capacity by 2030.

How has the solar-plus-Bess market changed in India in 2024?
In 2024,the scenario changed significantlyfor the solar-plus-BESS segment in India. In March 2024,SECI shared the first large-scale build-own-operate (BOO) tender for 1.2 GW of solar PV with 0.6 GW/1.2 GWh of BESS capacity. The tender was very well received by the industry and saw the lowest tariff discovery of Rs 3.41 per kWh.

Should solar storage be scaled up in India?
Scaling up solar storage projects in India presents both opportunities and challenges. While the potential for integrating battery storage with solar energy is immense, widespread adoption is still constrained by factors such as high capital costs, evolving regulations, and grid integration complexities.

How big is India's solar & storage market?
India's solar +storage market is set to hit $10B annually. A virtual roundtable by ETEnergyworld &Bharathi Solar will explore tech,policy,market trends shaping this growth as India targets 500 GW renewable energy by 2030. We gather these questions and ask them live in our sessions.

How solar PV & Bess development has impacted India's battery storage journey?
Graph 1 shows the journey of solar PV plus BESS development in India, highlighting why 2024 has witnessed a rise of this combination of technologies in India's battery storage journey. The use cases for such tenders have been peak management, diesel generator offset and overall renewable energy integration.

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