



Indonesian Monocrystalline Photovoltaic Panel BESS

Why is PLN launching a Bess project in Indonesia?

As well as being the country's first co-located BESS and solar PV project, it is also the first renewable energy project to be developed and financed for Indonesia's new capital and the first project to reach financial close after changes arising from PLN's holding-subholding corporate reorganisation.

What are Indonesia's energy storage projects?

Currently operational projects include a modest government-backed pilot scheme generating just 5MW announced back in March 2022. Energy storage technology plays an essential role as Indonesia transitions toward greater reliance on intermittent renewables like solar and wind.

How many bifacial solar panels will PLN have?

It will feature 114,420 bifacial solar PV modules (625MWp), 126 lithium iron phosphate battery packs, and smart transformer stations. PLN, through its subsidiary PLN Nusantara Power, is the majority owner and offtaker, with project financing supported by Clifford Capital and SocGen.

What is Nusantara Sembcorp Solar Energi?

The Nusantara Sembcorp Solar Energi power plant is a utility-scale project that combines 50MW of solar photovoltaic (PV) generation with a battery energy storage system (BESS) boasting a capacity of 14.2MWh.

Does Sembcorp have a joint venture with PT PLN Nusantara renewables?

Sembcorp Industries (Sembcorp) has announced a joint venture (JV) with PT PLN Nusantara Renewables to develop a 50 MW solar power facility and a 14 MWh battery energy storage system (BESS) in Nusantara, Indonesia.

Will PLN & Sembcorp develop Ibu Kota Nusantara's first co-Loc?

State-owned utility PLN and Singapore-based Sembcorp will develop Indonesia's first co-located solar PV and battery energy storage system (BESS) to power Ibu Kota Nusantara (IKN), the country's future capital on Kalimantan island.

May 29, 2025: RGE and TotalEnergies are to develop, build and operate a utility-scale solar-BESS facility in Indonesia's Riau Province. The firms have entered into a co-investment ...

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Indonesia's state-owned utility, PLN, in collaboration with renewable energy company Sembcorp, will develop the country's first co-located solar photovoltaic (PV) and ...



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This initiative marks a critical step in Indonesia's transition to renewable energy, combining 50 MW of solar PV with a 14 MWh battery energy storage system (BESS) to deliver reliable, ...

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