

# Indonesia 720MWh large-scale energy storage power station



## Overview

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GE and TotalEnergies, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment Agreement to develop, build and operate a solar photovoltaic (PV) power plant with battery energy storage system (BESS) in Riau Province, Indonesia. PT Sembcorp Renewables Indonesia, a wholly owned subsidiary of Singapore-headquartered engineering firm Sembcorp, and state-owned PT PLN Nusantara Renewables have launched a utility-scale solar-plus-storage project in Indonesia. The Nusantara Sembcorp Solar Energi (NSSE) power plant comprises 50MW. The new initiative features plans for 1 MW solar minigrids tied with 4 MWh of accompanying battery energy storage, to be deployed across 80,000 villages, alongside 20 GW of centralized solar power plants. The project will also supply electricity to local industry in Indonesia.

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### Indonesia Unveils 100 GW Solar Initiative With Massive 320GWh Battery

Operated by the village cooperative Merah Putih, these solar-plus-storage mini grids aim to provide affordable, reliable power while reducing dependence on costly diesel generators. The government ...

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### RGE, TotalEnergies to develop solar power, battery ...

The Co-Investment Agreement outlines the joint development of a solar power plant and battery energy storage project in Indonesia.

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### Sembcorp launches Indonesia solar-plus-BESS project with state-owned

PT Sembcorp Renewables Indonesia, a wholly owned subsidiary of Singapore-headquartered engineering firm Sembcorp, and state-owned PT PLN Nusantara Renewables have launched a utility-scale ...

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## Optimal energy storage configuration to support 100 % renewable energy

First, we compare the generator installation of six scenarios to demonstrate the amount of new power plant, variable renewable energy, and battery required to support that power plant for each scenario ...



51.2V 150AH, 7.68KWH

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## TotalEnergies and RGE Reaches Milestone in Large-Scale Solar and

The project involves the development of a hybrid renewable power plant comprising a solar farm, Battery Energy Storage System (BESS ), and a subsea cable in Riau Province, Indonesia.

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## Opportunities for Increased Adoption of Solar Energy and Energy Storage

"Currently, there is no large-scale energy storage system operational in Indonesia. The development of small-scale energy storage technology is being led by the private sector, followed by state ...

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## Indonesia announces bold 320 GWh distributed battery storage plan

These solar-plus-storage mini grids are



set to be installed in 80,000 villages across Indonesia and will be managed and operated by village cooperative Merah Putih. A target of 10,000 becoming ...

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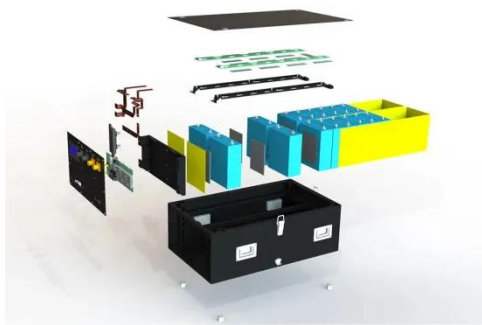
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## 200MW+80MWh! Indonesia's largest integrated solar energy storage

The largest integrated photovoltaic and energy storage project in Indonesia, designed and constructed by China Yongfu Power, has officially landed, setting a new benchmark for the development of ...



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## Indonesia's Pumped Storage Power Plant Project with High-Speed

The Upper Cisokan Pumped Storage Power Plant Project is the country's first pumped storage power plant with an output of 1,040 MW in the upper reaches of the Citarum River Basin in West Java Province.

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## Sembcorp and PLN Nusantara Power Launches First Utility-Scale

The NSSE Power Plant, built on approximately 87 hectares of land, is the

first utility-scale integrated solar and energy storage project in Nusantara, Indonesia.

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