

# Indonesia s large emergency energy storage power plant





## Overview

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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. Will Indonesia build a 100 GW solar power plant?

Jakarta, August 7, 2025 - Indonesia will build a 100 Gigawatt (GW) Solar Power Plant (PLTS). The program plans to build 80 GW of solar power plants and 320 GWh of Battery Energy Storage System (BESS) to be managed by the Merah Putih Village Cooperative (KDMP) in 80,000 villages, and 20 GW of Centralized solar power plants.

Can solar power plants be used in Indonesia?

Indonesia possesses solar energy potential with a capacity ranging from 3,300 GW to 20,000 GW, spanning from Sabang to Merauke. With increasingly affordable, modular, and easy-to-build and operate solar power plant (PLTS) technology, this project could serve as a strategic solution to provide reliable and affordable energy access across Indonesia.

Will Indonesia build 100GW of solar PV & 320gwh of Bess?

The government of Indonesia has launched a programme that aims to build 100GW of solar PV and 320GWh of BESS in the coming years, mostly distributed across smaller projects in rural areas. The programme will consist of 80GW of solar PV plants and 320GWh of battery energy storage systems (BESS) across 80,000 villages.

Will Indonesia build a battery energy storage system by 2022?

The agreement was made with other state-owned bodies, such as the Indonesian Battery Corporation, to build the Battery Energy Storage System by 2022. However, no information has yet been revealed about the Battery Energy Storage System's location or specific functions.



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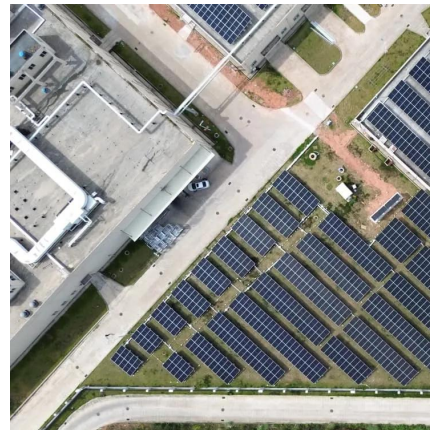
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Jun 25, 2025 · Indonesia has recently launched a 5 megawatt Battery Energy Storage System (BESS). The new energy ...

### [Indonesia Unveils 100 GW Solar Initiative With Massive ...](#)

Aug 12, 2025 · Indonesia has announced an ambitious plan to deploy 100 GW of solar power nationwide, combining large-scale generation with an unprecedented rural electrification push.

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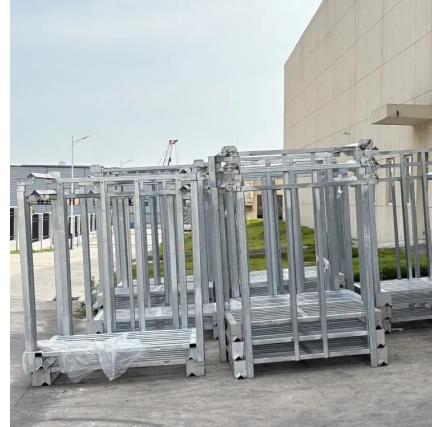
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Oct 16, 2024 · Accelerating the energy transition is important to bring Indonesia into this circle. Zainal Arifin, EVP of Renewable Energy, PT ...



### [Indonesia: Development of Pumped Storage Hydropower in ...](#)

Jul 28, 2021 · The objective is to support Indonesia's energy transition and decarbonization goal by (i) developing the first large-scale pumped storage hydropower to improve power ...



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

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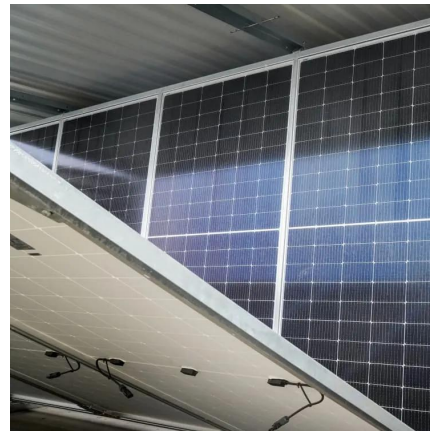


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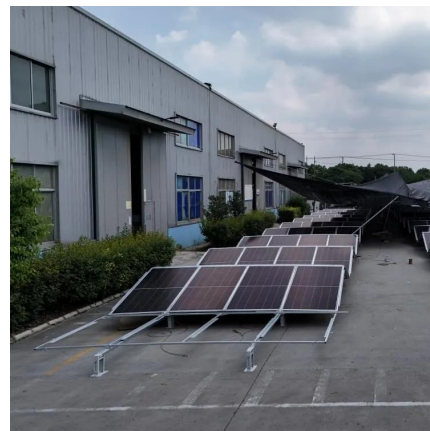


### **Indonesia announces bold 320 GWh distributed battery storage ...**

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### Indonesia's Power Sector Investments: ...

Dec 15, 2023 · Of this, coal-fired power makes up about 50%, while gas, oil, and other forms of non-coal-fired generation represent 40%. Renewable ...



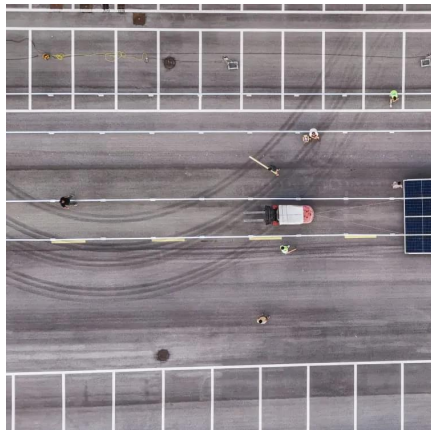
### Indonesia backtracks on coal phase-out in ...

May 26, 2025 · JAKARTA - Indonesia plans to add 69.5 gigawatts (GW) of power capacity by the end of 2034, much of it from renewable sources, ...



### Indonesia new programme targets 100GW solar PV, 320GWh ...

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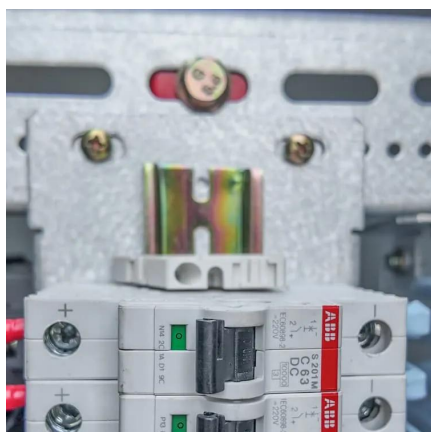


### Indonesia Has 333 GW of Financially Viable ...

Feb 27, 2025 · Indonesia's vast technical renewable energy potential, exceeding 3,686 GW, is a crucial asset for increasing the country's ...

### **IESR: 100 GW solar project can transform Indonesia's rural ...**

Aug 11, 2025 · The 100 GW PLTS development plan is divided into two main models. First, the construction of 80 GW of solar power plants and a 320 GWh Battery Energy Storage System ...



### **Indonesia targets 100 GW solar capacity, with focus on rural**

Aug 12, 2025 · Indonesia's Ministry of Energy and Mineral Resources has announced plans to develop 100 GW of solar power plants, aiming to bring clean electricity to rural and remote ...



## [Indonesia's New Regulation on Renewable PPAs](#)

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