

Indonesian government s 600 million energy storage project





Overview

The programme will consist of 80GW of solar PV plants and 320GWh of battery energy storage systems (BESS) across 80,000 villages. The projects will comprise 1MW solar PV capacity and 4MWh BESS each. 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.

Why is battery energy storage system important in Indonesia?

However, given the challenge of Indonesia's geological landscape, with many off-grid and remote areas, there is growing intermittency issue that hamper the development of solar and wind generation. Hence, the battery energy storage system (BESS) technologies have a critical role in the development of Indonesia's renewable energy.

Does Indonesia need solar & wind energy storage?

Although, there is no policy mandating the installation of energy storage in solar or wind projects in Indonesia, the abundance of solar and wind resources in Indonesia's archipelago and increased potential demand across industries indicate that BESS demand is poised to grow substantially in the near future.

What is Indonesia's potential for solar energy?

Indonesia's technical potential for solar ranges from 3,300 GW to 20,000 GW, according to IESR estimates, while the country's long-term energy policy targets up to 108.7 GW of solar by 2060. If implemented effectively, the program could redefine Indonesia's energy landscape and serve as a global benchmark for large-scale distributed renewables.

Will Tesla invest in Indonesia's battery energy storage system sector?



There have been talks with Tesla, with plans to invest in Indonesia's Battery Energy Storage System sector. Tesla has an outstanding reputation in its production of technology that is carbon neutral. The BESS produced and used by Tesla has a relatively low negative environmental impact.

Why is EVE Energy a great choice for Indonesia's solar energy development?

EVE Energy made a stunning appearance with its full range of energy storage solutions, injecting fresh momentum into Indonesia's solar energy development. As one of the largest economies in Southeast Asia, Indonesia has a huge demand in the solar photovoltaic market.



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Energy Storage Applications to Address the Challenges of Solar ...

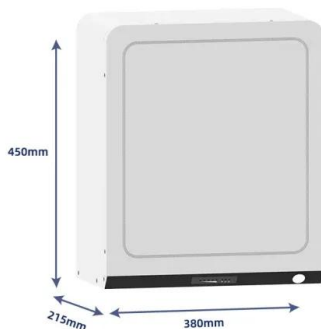
Energy Storage Applications to Address the Challenges of Solar PV and Wind Penetration in Indonesia: A Preliminary Study February 2022 Indonesian Journal of Energy 5 ...

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green energy self-sufficiency and its bio-based resources industry through high value-added services. We aim to unlock long-term economic value for Indonesia by driving investment, ...

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Indonesia Unveils 100 GW Solar Initiative With Massive 320GWh ...

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 ...

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Indonesia announces bold 320 GWh distributed battery storage plan

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 ...

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Indonesia's First Pumped Storage Hydropower Plant to Support Energy

JAKARTA, September 10, 2021 - The World Bank's Board of Executive Directors today approved a US\$380 million loan to develop Indonesia's first pumped storage hydropower plant, aiming ...

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[Indonesian government targets 320GWh BESS in new scheme](#)

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[Indonesia-Singapore: TotalEnergies and RGE Reach New ...](#)

TotalEnergies and RGE have joined forces in a solar and battery project in Indonesia Today, the project was awarded a conditional licence by Singapore's Energy Market Authority to import 1 ...

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[100 GW Solar Power Plant for Indonesia's Energy Self ...](#)

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 ...

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[Intersessional Meeting of the CTF Trust Fund Committee](#)

Energy and Economic Statistics of Indonesia. Jakarta. As of 2021, Indonesia is the seventh largest liquefied natural gas exporter with proved natural gas reserves of 43.57 trillion standard ...

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[Indonesia's Aggressive Renewable Energy Policies ...](#)

In 2023, Indonesia has been able to make progress with policies and actions in several sectors in order to align emission reduction targets with the Paris ...

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What are the energy storage projects in Indonesia? , NenPower

Recognizing the importance of this sector, Indonesia has initiated several prominent energy storage projects that not only support its sustainability goals but also ...

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[Dual Advantage: Waste-to-energy deployment in Indonesia](#)

The Tangerang municipal government is working to establish a WtE plant that can process 2,000 tonnes of waste into energy per day. According to the Tangerang government, ...

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Solar Power and Battery Energy Storage Project in Indonesia Imelda Tanoto, Managing Director at RGE (right) and Helle Kristoffersen, President Asia and Member of the Executive ...

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[Indonesia Clean Energy Battery Storage System](#)

This initiative seeks to accelerate the development of BESS projects as well as open commercial and public financing for the long-term development of these energy storage ...

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