

Indonesian Energy Institute Energy Storage Project





Overview

How should energy storage systems be planned in Indonesia?

Planning for energy storage systems should be well integrated with power transmission, distribution, and generation planning in Indonesia, aligning with the increasing installation of VRE. Besides setting capacity targets, planning documents should outline the full range of potential ESS roles.

Does Indonesia need more energy storage capacity?

(Hartatik) Jakarta—A report by the Institute for Essential Services Reform (IESR) highlights that policies that encourage the growth of ESS in Indonesia must support its development. The report, titled *Powering the Future*, estimates that Indonesia needs to have at least 60.2 GW of energy storage capacity by 2060 to support the energy transition.

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.

How can renewables improve Indonesia's energy security?

Raising renewables will improve Indonesia's energy security, with solar become the most cost effective solution to supply electricity beyond 2030 (based on IESR's IETO model). Reinforcing grid infrastructure and operation is crucial with a higher RE share, especially post-2030. future system with high shares of renewable energy.



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Indonesia's Energy Transition: Key steps in ...

Oct 17, 2024 · Jakarta--A report by the Institute for Essential Services Reform (IESR) highlights that policies that encourage the growth of ESS ...

Session 2A_100% Renewable Energy Island Indonesia_IESR

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Key Facts about Indonesia's Energy Storage System

Jun 25, 2025 · Indonesia has recently launched a 5 megawatt Battery Energy Storage System (BESS). The new energy storage system is a device that enables energy from renewables to ...

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

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Indonesia unveils plan for 100 GW of solar

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Oct 22, 2024 · Recommendation Energy storage is a critical component to decarbonize power systems. Energy storage enables high level integration of variable renewable energy and ...



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