

Successful bid price of hybrid renewable storage project in Indonesia 2025



Overview

How is the annual energy production for mini-hydropower estimated?

The annual energy production for mini-hydropower was estimated through equation (1) by replacing the solar PV power capacity with the mini-hydropower capacity. The CF was assumed to be 50%, which is a typical CF for mini-hydropower in Indonesia (DJK, 2024).

Is hydropower a viable alternative to solar & wind?

Hydropower is more reliable and less dependent on weather conditions compared to solar and wind. It can also provide flexible energy generation to meet fluctuating demands. Based on IESR (2021), micro and small hydropower can reach a potential of up to 28 GW in Indonesia.

How can Bess help the EV market in Indonesia?

The growing EV market will necessitate a robust battery ecosystem, including storage solutions for grid integration and charging infrastructure. Indonesia's focus on industrial growth creates a demand for reliable power. BESS can offer backup power, improve power quality, and enable cost savings through peak shaving.

Can higher land costs reduce the economic viability of re projects?

Higher land costs can potentially reduce the economic viability of RE projects, as shown by the results of this study. Reducing the risk in land procurement, including the uncertainty in land cost, could help in supporting more competitive tariffs from RE projects.

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The Future Of Renewable Energy In Indonesia: 2025 ...

Indonesia is currently building on its storage capacity through the planned/ongoing installation of 5 MW battery energy storage systems (BESS), linked to PLN's renewable sites. Indonesia is also building its first utility-scale ...

Enlight Secures Financing for Spain's Largest Hybrid

Enlight expands its successful Gecama Wind Project, transforming it into the largest hybrid power complex of its kind in Spain The project combines wind, solar, and utility ...



REPORT ON ENERGY STORAGE SYSTEMS

A fracturing of exchange prices reaffirms the need for Energy Storage Systems In May'25, power exchanges observed an unprecedented market bifurcation: spot prices for electricity during ...

India's renewable energy prospects mark milestone with record ...

Competitive tenders continued to drive the pipeline growth for renewables and energy storage projects in India in 2024, with 63 GW of capacity awarded and 111 GW of new ...



Energy Storage Systems (ESS) Projects and Tenders

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NHPC concludes 1.2 GW wind-solar hybrid tender with a price of ...

NHPC will enter into a power purchase agreement with the successful developers for a period of 25 years. The successful bidders will set up hybrid projects with or ...



Unlocking Indonesia's Renewables Future

This study provides understanding on the resource-based potential of renewable energy in Indonesia, its economic viability, and the various factors influencing the deployment of ...



Indonesia Renewable Energy Tenders, Bids and RFP

TendersOnTime, the best online tenders portal, provides latest Indonesia Renewable Energy tenders, RFP, Bids and eprocurement notices from various states and ...



A winning opportunity for Indonesia , ExxonMobil in Indonesia

Explore Indonesia's potential as a Carbon Capture & Storage hub in Asia Pacific, and how the Asri Basin project can transform captured carbon into opportunities.

India's battery storage boom: Getting the execution right

India's drive for renewables has accelerated the need for storage, but there are many factors to success, writes Charith Konda of IEEFA.



Indonesia Energy Storage Market 2024-2030

The business developed a variety of energy storage devices that successfully handle the issues associated with the intermittency of renewable sources such as solar energy by using its expertise in electronics, ...



SA: Renewable energy procurement on utility scale for ...

The eight solar PV projects, totalling 1,760MW, appointed as preferred bidders under South Africa's Renewable Energy Independent Power Producers Procurement Programme (REIPPPP) Bid Window 7 may yet be ...



12.8V 200Ah



How Hybrid Renewable & Storage Projects Can Support ...

Commissioned in late 2025, this is Germany's largest hybrid solar-storage project: a 47 MW solar park paired with a 16 MW / 58 MWh Fluence BESS. It will power ...

Utility-scale renewable energy tendering trends in ...

There remains some degree of risk aversion to new technologies among developers. However, the success of large-scale, pan-India projects awarded to market leaders, some with international backing, will showcase the ...



Home

Unlock Indonesia's energy storage potential at the EESA Summit Indonesia 2025. Connect with leading Chinese advanced storage energy solutions through exclusive matchmaking, policy insights, and direct ...



Indonesia-Singapore: TotalEnergies and RGE Reach New ...

The partners had previously signed a Co-Investment Agreement to develop, build and operate a hybrid renewable power plant comprising a solar farm, Battery Energy Storage System ...



2MW / 5MWh
Customizable

Indonesia-Singapore: TotalEnergies and RGE Reach ...

The partners had previously signed a Co-Investment Agreement to develop, build and operate a hybrid renewable power plant comprising a solar farm, Battery Energy Storage System (BESS), and a subsea cable in Riau ...



Prabowo inaugurates Rp25 trillion renewable energy projects ...

President Prabowo Subianto launched on Thursday, June 26, 2025 a series of renewable energy (EBT) power plant projects across 15 Indonesian provinces, representing a ...



Australia's clean energy transformation boosted by 19 ...

The Minister for Climate Change and Energy has announced 19 renewable energy projects that will add 6.4 gigawatts (GW) of clean energy to the National Electricity Market (NEM). This is enough to power three million ...



Australia's Largest 1.35 GW Hybrid Solar and Storage ...

Eurimbula project approved under Australia's grid connection rigorous standards -- set to lead the way for renewable stability in the NEM.



Utility-scale renewable energy tendering trends in India

There remains some degree of risk aversion to new technologies among developers. However, the success of large-scale, pan-India projects awarded to market ...



Study identifies 333GW of financially viable renewable ...

Study identifies 333GW of financially viable renewable energy projects in Indonesia The capacity includes 165.9GW of ground-mounted solar power, 167GW of onshore wind power, and 0.7GW of thermal power.



Massive Energy Transition of Indonesia - Focus on ...

An important document was released by Indonesia's state-owned electricity firm Perusahaan Listrik Negara (PLN) at the end of May 2025. This document is titled the Electricity Supply Business Plan (in Indonesian: ...



Hybrid projects - a new standard in renewable energy

In the face of the global energy transition and the urgent need for decarbonisation, hybrid projects are becoming a breakthrough solution. By combining solar ...



Indonesia Has 333 GW of Financially Viable Renewable Energy Projects

Indonesia's vast technical renewable energy potential, exceeding 3,686 GW, is a crucial asset for increasing the country's renewable energy mix beyond 23 percent, ...

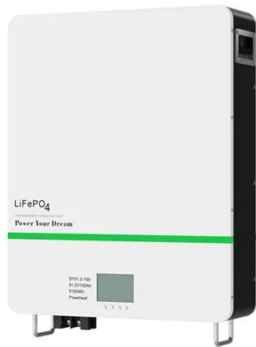
Indonesia-Singapore: TotalEnergies and RGE Reach New ...

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 ...



Infrastructure & PPPs in Indonesia

INDONESIA has seen notable developments in clean energy sector in last quarter; including launch of its 2025-2034 Electricity Supply Business Plan (RUPTL), aiming to ...



Indonesia Hybrid Battery Energy Storage System Market Size ...

In Indonesia Hybrid Battery Energy Storage System Market is projected to grow from USD 1.4 billion in 2025 to USD 5.2 billion by 2031, at a CAGR of 24.1%



Hybrid renewable energy systems , Journal of Renewable and ...

This collection of articles explores these topics within hybrid renewable energy systems (HRES) to inform scientists and engineers working in this space and to advance ...

Gaining Momentum: Recent trends in standalone ...

The year 2025 has been quite eventful, witnessing successful auctions and the discovery of competitive tariffs. According to Renewable Watch Research, around 6 GW of standalone BESS tenders were floated in early 2025.





2025 Energy Predictions: Battery Costs Fall, Energy ...

Experts predict what 2025 holds for U.S. energy policy: EV battery costs fall, energy storage demand surges, carbon removal hits scale, permitting reform in D.C.

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. Comprising a ...



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