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Outdoor Energy Storage in Indonesia



Overview

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. Why is energy storage important in Indonesia?

Energy storage plays a pivotal role in the global transition towards more sustainable energy systems, with Indonesia being no exception. The archipelagic nation has made significant strides in implementing energy storage projects that align with its ambitious renewable energy targets.

What is Indonesia's largest integrated solar energy storage project?

Indonesia's largest integrated solar energy storage project--Seetao 200MW+80MWh □ Indonesia's largest integrated solar energy storage project On July 16, 2025, Morowali Industrial Park in Sulawesi Province, Indonesia welcomed a milestone clean energy project - a 200MW photovoltaic power station with an 80MWh energy storage system.

What types of energy storage solutions are used in Indonesia?

In Indonesia, the predominant types of energy storage solutions utilized are Battery Energy Storage Systems (BESS) and pumped hydro storage facilities. BESS technology is particularly advantageous due to its flexibility in accommodating fluctuations in energy demand and generation.

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.

Will Indonesia deploy 100 GW of solar power nationwide?

Indonesia has announced an ambitious plan to deploy 100 GW of solar power

nationwide, combining large-scale generation with an unprecedented rural electrification push. According to pv magazine , the “100 GW Solar Power Plant Plan for Village Cooperatives,” mandated by President Prabowo Subianto, w.

What is thermal energy storage in Indonesia?

While no large projects exist in Indonesia, regional interest is growing. Thermal energy storage (TES) stores energy in the form of heat (or cold). Common approaches include molten-salt tanks, phase-change materials, or hot water/steam reservoirs.

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