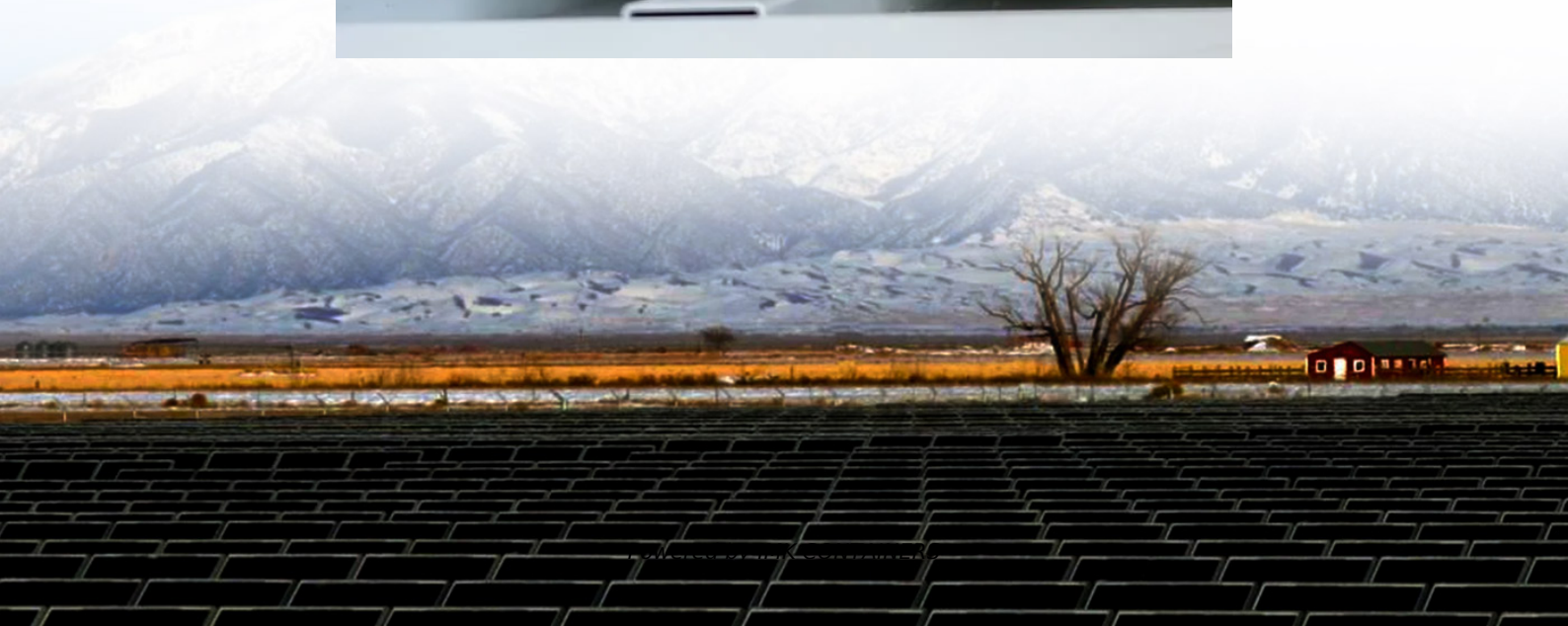


# Bess system for solar factory in Jakarta





## Overview

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Will a Bess deployment take off in Indonesia?

Despite an opportunity for battery manufacturing in Indonesia, BESS deployment is yet to take off in the country. Image: REPT via LinkedIn Chinese battery manufacturer Rept Battero has announced plans to develop an 8GWh gigafactory in Indonesia specialising in lithium-ion cells for battery energy storage systems (BESS).

Does Indonesia need a battery energy storage system?

Indonesia's electricity plan outlines a significant need for battery energy storage systems (BESS) to support its renewable energy goals and achieve net-zero emissions. Key steps identified for successful BESS integration include a clear roadmap, a suitable business model, energy modeling, standards development, and capacity building.

Can battery energy storage systems improve electrical grid stability in Indonesia?

This study examines the integration of Battery Energy Storage Systems (BESS) with Solar Power Plants (PLTS) to enhance electrical grid stability in Indonesia, where 90% of electricity is from fossil fuels. The intermittent nature of PLTS often destabilizes the network, causing frequency hunting or blackouts.

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.



## Bess system for solar factory in Jakarta



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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 ...

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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 be ...



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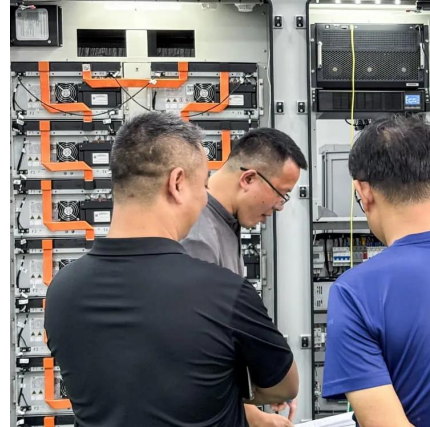


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The government of Indonesia has launched a programme that aims to build 100GW of solar PV and 320GWh BESS in the coming years.

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