

## ContainerPower Energy Solutions

# How much is the price of BESS solar panels in Indonesia



## Overview

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The cost depends on your panel type, roof type and size of your solar system. Overall, the price of installing grid-tiered solar systems can range from 40 million IDR for small houses, 90 mil. IDR for medium sized townhouses to 150 mil. IDR or more for larger bungalows.

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For new panels, expect a cost ranging from approximately IDR 10 million to IDR 20 million per installed kilowatt peak (kWp) for a standard rooftop solar system in Jakarta. How much does a solar system installation cost in Bali?

For a standard rooftop solar system installation in Bali, you can.

The government of Indonesia has launched a programme that aims to build 100GW of solar PV in the coming years, mostly distributed across smaller projects in rural areas. The programme will consist of 80GW of solar PV plants and 320GWh of battery energy storage systems (BESS) across 80,000 villages.

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The Indonesian government has revealed a new initiative aiming to deploy 100 GW of solar mainly for Solar Mini Grid with accompanying Battery Energy

Storage System (BESS) The distributed solar for energy self-sufficiency program encompasses 80 GW of solar that will be deployed as 1 MW solar arrays.

As of 2024, the price range for residential BESS is typically between R9,500 and R19,000 per kilowatt-hour (kWh). However, the cost per kWh can be more economical for larger installations, benefitting from the The average cost for sodium-ion cells in 2024 is \$87 per kilowatt-hour (kWh), marginally. Will Indonesia build 100GW of solar PV & 320gwh of Bess?

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Will Indonesia build a solar PV plant?

A solar PV plant in Indonesia. Image: Foto Ridho Bimanyu | PLTS Likupang. 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.

What is Indonesia's solar energy plan?

This initiative comes two months after the Indonesian government ratified a plan to add 42.6GW of renewable energy capacity and 10.3GW of energy storage by 2034. The plan aims to support the country's state-owned electricity company, for which solar PV will make up the bulk of the renewables, with 17.1GW.

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.

Can solar power plants be used in Indonesia?

Indonesia possesses solar energy potential with a capacity ranging from 3,300 GW to 20,000 GW, spanning from Sabang to Merauke. With increasingly

affordable, modular, and easy-to-build and operate solar power plant (PLTS) technology, this project could serve as a strategic solution to provide reliable and affordable energy access across Indonesia.

Can IESR help build a solar PV project?

According to IESR, the availability of workers capable of building solar PV and BESS projects is very limited and uneven across the country. The think tank calls on the government to conduct a workforce needs assessment and prepare certified installers through collaboration with vocational training centres, vocational schools, and universities.

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