

Annual electricity generation from solar panels in Indonesia



Overview

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A geospatial assessment of Indonesia's nationwide solar PV technical potential has been conducted using publicly sourced national and international data. The analysis finds that Indonesia's solar PV technical potential capacity ranges between 3,396 GWp up to 19,835 GWp (depending on land-use).

The Indonesia Institute for Essential Services Reform (IESR) recently released its "2025 Indonesia Solar Outlook" report, revealing that as of August, the country's installed photovoltaic capacity reached 717.71 MW. IESR Executive Director Faby Tumiwa emphasized that following a downturn in the.

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Below is the average daily output per kW of Solar PV installed for each season, along with the ideal solar panel tilt angles calculated for various locations in Indonesia. Click on any location for more detailed information. Explore the solar photovoltaic (PV) potential across 138 locations in.

The capacity of solar energy in Indonesia is steadily climbing. With total capacity reaching over 322.6 MW as of the first half of 2023, this is an increase of over 800% in the last 10 years. This progress is part of Indonesia's solar energy plan, which targets 5 GW of installed capacity by 2030.

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