

Solar Energy South Africa

Thailand solar power generation hours



Overview

Around 14.3% of the country has a daily solar exposure of around 19–20 MJ/m² /day, while another 50% of the country gains around 18–19 MJ/m² /day. In terms of solar potential, Thailand lags behind the US, but is ahead of Japan.

Solar power in Thailand is targeted to reach 6,000 by 2036. In 2013 installed photovoltaic capacity nearly doubled and reached 704 MW by the end of the year. At the end of 2015, with a total capacity of 2,500-2,800 MW.

In January 2015, Thailand's Energy Regulatory Commission (ERC) announced a new regulation for the purchase of electricity from ground-mounted solar projects, replacing the "adder" scheme with the "feed-in-tariff" (FiT) scheme. The regulation aims to revive.

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How much solar power will Thailand have by 2036?

Under the AEDP plan, total installed generation capacity from renewable energy (including large hydropower) is 19,635 MW by 2036. Within the next 20 years, Thailand aims to reach 6,000 MW of total installed solar PV capacity which is nearly double from the target set in the previous plan.

How many solar PV systems are installed in Thailand?

Moreover, Thailand also established 2 725 MW solar PV floating target hybrid with large hydropower dams by 2037. Thailand cumulative PV installed capacity was at 3 939,8 MWp, consisting of 3 933,7 MW of grid-connected PV systems and 6,1 MWp of off-grid PV systems. Most of the total installed capacity was ground-mounted PV systems.

How much solar power does Thailand have?

Solar power in Thailand is targeted to reach 6,000 MW by 2036. In 2013 installed photovoltaic capacity nearly doubled and reached 704 MW by the end of the year. At the end of 2015, with a total capacity of 2,500-2,800 MW, Thailand has more solar power capacity than all the rest of Southeast Asia combined.

How do solar panels work in Thailand?

In Thailand, these are comprised of rooftop PV systems, ground-mounted PV systems and floating PV systems. The implementation can be done in both self-consumption with the ability to sell the excess electricity back to the grid, and with the private power purchase agreement (private-PPA) aspects.

How much solar PV will Thailand have in 20 years?

Within the next 20 years, Thailand aims to reach 6,000 MW of total installed solar PV capacity which is nearly double from the target set in the previous plan. This year, three FiT rates have been announced in three different programs.

When did Thailand reach a solar power milestone?

A solar power milestone was reached in Thailand in 2017 as cumulative installed capacity surpassed the 3-gigawatt (GW) mark. At the beginning of 2019, Thailand looks back to eight tumultuous years of mostly favorable solar energy developments and a few failures.

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