

# Thailand uses solar energy to generate electricity

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.

What fuels are used to generate electricity in Thailand?

It is evident that fossil fuels, particularly natural gas, followed by hard coal and lignite, still remain the dominant fuel for power generation, while biomass-based energy sources account for the major share within the renewable energy generation portfolio. Figure 7. Thailand's electricity generation by fuel, 2016

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.

Which power source will be the largest in Thailand?

Natural gas will remain the largest power capacity source; however, in REmap the second-largest is solar PV, followed by coal and then wind. The power sector in Thailand will see important and substantive shifts over the next two decades.

Can small-scale solar power be used in Thailand?

The Thai government and power industry have also experimented with using small-scale solar, as well as hydro and biomass, to electrify off-grid communities and improve lives and livelihoods in agricultural and remote areas.

What is solar thermal & how does it work in Thailand?

Solar thermal is also an important source of renewable energy in the end-use sectors. The technology can provide domestic hot water in the residential sector, but also in sub-sectors such as tourism. In industry, Thailand has a history of solar thermal systems providing low-temperature heat and pre-heating services.

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