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Solar power in Myanmar has the potential to generate 51,973.8 TWh/year, with an average of over 5 sun hours per day. Even though most electricity is produced from hydropower in Myanmar, the country has rich technical solar power potential that is the highest in the Greater Mekong Subregion; however, in terms of installed capacity Myanmar lags largely behind Thailand and Vietnam.



Moving down in scale, both ADB and Smart Power Myanmar see bright prospects for solar-plus-storage mini- and micro-grids to play a central role in realization of Myanmar's universal electrification, sustainable development, renewable energy and climate change goals.



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Burma's (Myanmar's) electricity generation mainly depends on gas and hydropower, while renewable sources such as solar and wind contribute merely one percent to the overall output. However, residential solar systems have gained significant popularity and widespread adoption since the year 2022.



This paper aims to describe the high potential of solar energy, current situation of solar energy implementations and the important of Renewable Energy of Myanmar respectively. This paper is also intends to know good opportunity for international investors and developers concerning solar energy.



-MW on-grid solar power project aims to contribute to fulfillment of Myanmar's rapidly growing electricity demand, and facilitate achievement of the target electrification of the whole country by the year 2029-2030.



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Myanmar Solar Power Trading Co.,Ltd is established in 2011 and we are one of the leading full-service providers for C & I projects, residential, industrial and large scale solar projects in Myanmar.



Myanmar relies heavily on gas and hydropower for electricity generation, with renewable sources, including solar and wind, accounting for only one percent of output. Total national output reached 4,840 megawatts in 2019 but current capacity is nearly 20 percent less.