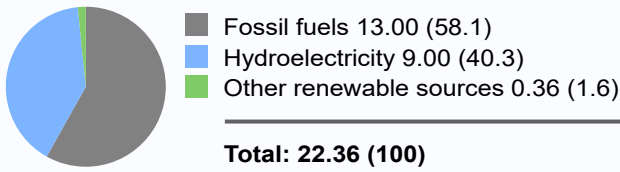


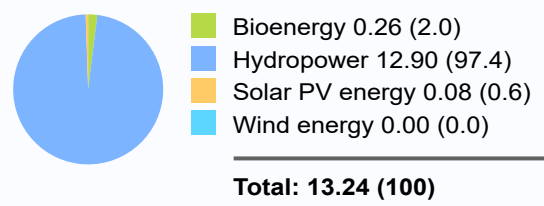
Myanmar • Electricity and Renewable energy

Gross electricity generation 2021, TWh (%):



Source: Based on the U.S. Energy Information Administration data (Dec 2022).

Gross electricity generation from renewable sources by 2020, TWh (%)



Source: Renewable Energy Statistics 2022 © IRENA

Key hydro power plants over 100 MW, MW:

- 1 Yeywa, 790
- 2 Shweli-1, 600
- 3 Lower Paunglaung, 280
- 4 Baluchaung (Lawpita), 248
- 5 Dapein-1, 240
- 6 Upper Paunglaung, 140
- 7 *Tasang (Mong Ton)*, 7110*
- 8 *Myitsone*, 6000*

* construction suspended

High activity areas:

The most common solar GHI intensity is 5.2 - 5.5 kWh/m² per day, distributed in central part of country, between Magway, Mandalay and Bago Regions..

The most common wind speed is 5.0 - 6.0 m/s at 50 m are distributed in some area of western part of country, mainly in Rakhine State, Ayeyarwady and Taninthary Regions.

Source: Energydata.info

Coal power plants over 100 MW, MW:

- 1 Tigyit, 120

Natural gas power plants over 100 MW, MW:

- 1 Thaketa LNG, 477
- 2 Ywama, 360
- 3 Ahlone, 275
- 4 Mawlamyine (Ngam Tae), 230
- 5 Myingyan, 225
- 6 Hlawga, 204
- 7 Thaketa (Tharkaytha), 198
- 8 Kyaukse, 145
- 9 Kyauphu (Kyauk Phyu), 135
- 10 Thaton, 119

Solar PV power plants over 1.0 MW, MW:

- 1 Minbu, 170.0

- 230 kV line in service
- National grid 230 kV of other power plants, grid connection points, substations

Currently, Myanmar majorly use traditional practices in consuming the biomass sources such as traditional consumption for heating and cooking, traditional agriculture nutrients, open burning, open disposal, animal feeds, etc. Despite that Myanmar has great bio-energy potential, there are still some constraints and barriers that biomass energy utilization could not be easily achievable.

Sources: Wikipedia, et al.

In 2019 Myanmar had 5.8 GW of electricity installed generating capacity. Gross theoretical hydropower capability, related to Myanmar, is 140.0 TWh/year. As of 2017, Myanmar registered more than 30 small-scale hydropower plants up to 10 MW with a total installed capacity of 36.4 MW.

Sources: U.S. Energy Information Administration (Apr 2022); Used by permission of the World Energy Council (2013); World Small Hydropower Development Report 2019; Wikipedia.