

Myanmar 200MW energy storage power station





Overview

What is the energy demand supply situation in Myanmar?

The Myanmar energy demand supply situation indicates that power generation mix must shift to more coal and hydropower, continued use of biomass, natural gas consumption, and appropriate increase of renewable energy such as solar PV and wind power generation.

What's going on with Myanmar's energy infrastructure?

Attacks on energy infrastructure (August 2021 – February 2023) Source: Myanmar Institute for Peace and Security. The reported number of conflict-related incidents on electricity infrastructure has been declining following the peak in late 2021 and early 2022, but grid network capacity remains vulnerable.

What is the power resource balance scenario in Myanmar?

As shown in Table 12.2, the Power Resource Balance scenario (Scenario 3) has the lowest installed capacity at 23,594 MW by 2030, with hydro share at 38%, coal 33%, gas 20%, and renewables (solar, wind, etc.) at 8%. MW = megawatt. Source: Myanmar Energy Master Plan, 2015.

Does Myanmar have a power supply gap?

Myanmar's power sector will likely continue to experience significant challenges. To sustain the current level of power supply would require adding 300-500 MW every year until 2030. Scenario analysis on the power supply-demand gap illustrates that available generating capacity is projected to not meet the growing demand.

How much power does Myanmar produce a day?

As of early 2025, Myanmar's power generation has plunged to around 2,800 MW daily, meeting just 50-55% of demand. Peak output sometimes drops below 2,000 MW, causing severe blackouts—up to 20 hours daily in major



cities like Yangon, Mandalay, and Naypyidaw. Rural and conflict-affected areas face near-constant outages.

Can power trade and imports help ease power shortages in Myanmar?

While power trade and imports could help ease the electricity supply shortages, it remains challenging under the current political circumstance in Myanmar. Myanmar's power sector continues to record losses due to a combination of several factors, including currency depreciation, increasing grid maintenance cost, and revenue decline.



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