

Cambodia outdoor power supply production





Overview

What is Cambodia's primary energy supply?

Cambodia imported coal, oil (petroleum products), and electricity. Domestic energy comprises hydropower and biomass only. Total primary energy supply (TPES) grew at an AAGR of 7% over the 2000–2019 period (Figure 4.10).

Figure 4.10. Primary Energy Supply Source: GDE-MME in-house data (2021).

How does Cambodia produce electricity?

Cambodia initially produced electricity only from oil (diesel/heavy fuel oil [HFO]) and hydro. In 2005, bagasse started to be used to generate electricity. Coal entered the country's power production mix in 2008. Since 2017, Cambodia has also been utilising solar energy to generate power. Currently, hydro and coal power are the major power sources.

What are the main sources of power in Cambodia?

Fuel input for power generation Cambodia's primary power generation sources are hydro, oil (fuel oil and diesel), coal, biomass, and solar. Hydro and oil were the only power generation sources from 2000 to 2004. In 2005, Cambodia started to use biomass in the form of bagasse to generate electricity.

How has the energy supply changed in Cambodia?

As a result, the total primary energy supply (TPES) increased by 5.8% annually during 2000–2010 and 8.0% during 2010–2019 showing the same trend as the TFEC. Due to a significant rise in electricity demand, Cambodia rapidly increased hydropower and coal power generation from 2010 to 2019.

What is Cambodia's power production mix?

Coal entered the country's power production mix in 2008. Since 2017, Cambodia has also been utilising solar energy to generate power. Currently, hydro and coal power are the major power sources. Table 2.6 shows Cambodia's power production mix. Table 2.6. Electricity Production by Energy



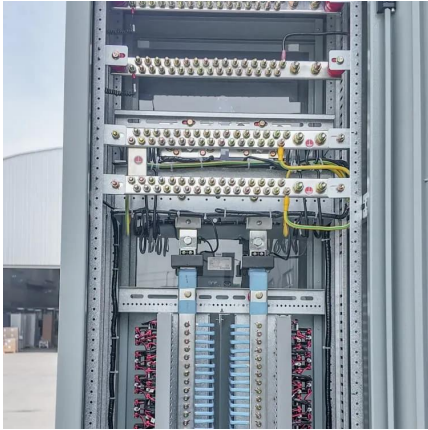
Source (in GWh) 1,035 1,087 1,294 1,349 1,410 1,484 1,153.

Is Cambodia a good country to build a power plant?

Cambodia's electrification rate is the second-lowest among South East Asian countries. Cambodia plans to increase its power generation capacity by building hydropower and coal-fired plants by 2025, which can contribute to improve self-sufficiency of power.



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