

## ContainerPower Energy Solutions

# Cambodia mobile base station equipment energy method



## Overview

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Why do Cambodians need diesel generators?

There is tremendous demand in Cambodia for diesel generators as backup power, on-site power plants, and power generation in rural areas not served by public utilities.

How much money does Cambodia need to build a power plant?

The Cambodian government has stated in its PDP that it will need \$9 billion of investment to develop new power plants and expand the national grid, of which \$2.5 billion has been approved between 2022 and 2025. Opportunities exist for power generation and transmission equipment.

What are the main sources of electricity in Cambodia?

Major sources of local power generation are hydro and coal, and minor sources include diesel, wood, and biomass. In addition to local power generation, Cambodia also buys electricity from neighboring countries, especially during the dry season.

What is Cambodia's power development master plan 2022-2040?

In its Power Development Master Plan (PDP) 2022-2040, Cambodia announced that there would no more investment of coal power plants after 2024, and renewable energy (domestic and imported) would play a significant role towards Cambodia's transition to clean energy.

How much electricity will Cambodia generate in 2023?

The Electricity Authority of Cambodia (EAC) predicts that the total installed capacity will increase to 4,945 MW of electricity in 2023. Cambodia generated 1,331 MW from hydropower plants, 1,025 MW from coal-fired plants, 642 MW of its energy from oil-powered plants, and 437 MW from solar.

Why is there a power shortage in Cambodia?

Cambodia is a tropical country in Southeast Asia with extreme heat waves sweeping across the country during the dry season. This results in the lack of hydropower which causes power shortages in Cambodia. Power shortages during the dry season shortens the lifespan of lead-acid batteries, which may lead to network availability issues.

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