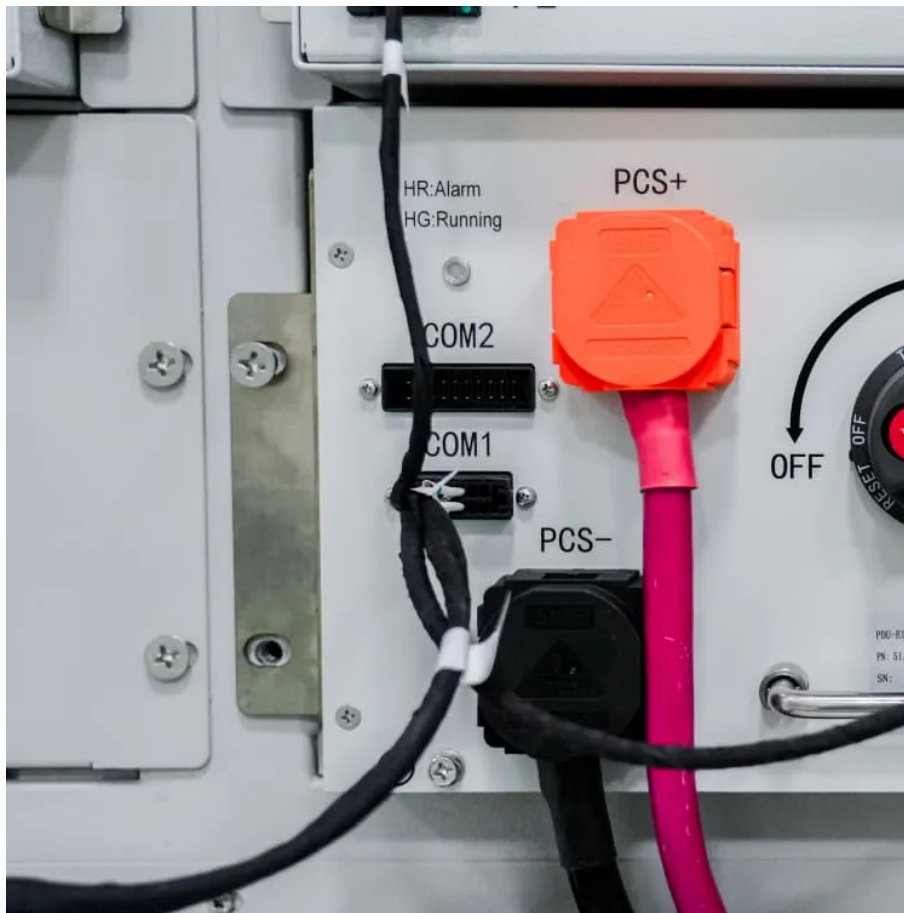


## PDEOZE PowerContainer

# Bhutan containerized energy storage tank costs



## Overview

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Recent pricing trends show 20ft containers (1-2MWh) starting at \$350,000 and 40ft containers (3-6MWh) from \$650,000, with volume discounts available for large orders. Does Bhutan rely on fossil fuels?

While electricity serves as the primary energy source in Bhutan, the reliance on coal and petroleum products highlights a significant dependence on fossil fuels to meet the country's energy needs. Energy efficiency measures and exploration of sustainable alternatives are essential in the Industry Sector to mitigate this reliance.

Can solar & biogas contribute to a sustainable future for Bhutan?

The integration of solar, biogas, and waste-to-energy solutions holds promise for diversifying the energy mix and contributing to a more sustainable future for Bhutan. Indeed, the current energy consumption pattern in Bhutan highlights.

How can Bhutan achieve sustainability goals?

By prioritizing renewable energy sources, improving energy efficiency, and reducing reliance on fossil fuels, Bhutan can mitigate environmental impacts, enhance energy security, and achieve its long-term sustainability goals.

How many biogas plants are there in Bhutan?

Presently, Bhutan has 8,306 biogas plants, generating an estimated total of 6,116.9 MT of biogas per year. Other Potential Renewable Energy Resources: Besides hydropower, other renewable energy sources, particularly solar, wind, and waste-to-energy resources have not been fully utilized despite their significant potential.

What is Bhutan's energy supply?

Bhutan's energy supply primarily relies on electricity, fuel-wood, coal, and diesel. Electricity is the largest contributor, with a shift towards increased

usage over the years. Fuel-wood usage has decreased, while bio-gas, solar energy, and limited-scale wind energy have gained traction as alternative sources.

What is the thermal energy consumption in Bhutan?

Thermal energy consumption in the Industry is dominated by coal, which is a vital input for many industries in Bhutan. However, liquid fuels such as diesel, kerosene oil, and furnace oil account for less than 6 percent of the industry's thermal energy mix.

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