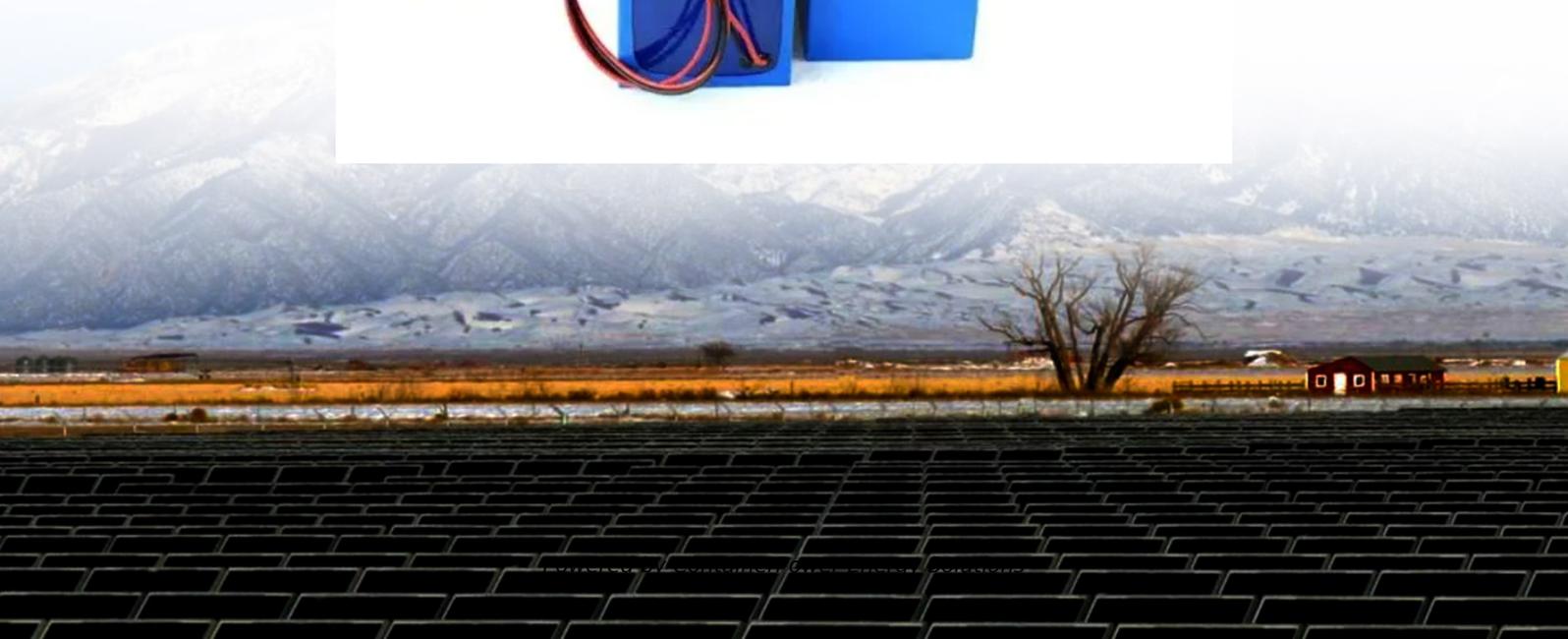


## ContainerPower Energy Solutions

# Afghanistan Wind Power Generation Master Control System



## Overview

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Who controls the power sector in Afghanistan?

Currently, the power sector is governed by Ministry of Energy and Water (MEW) and operated by Da Afghanistan Breshna Sherkat (DABS), which controls & operates all the activities of power sector throughout the country.

Does Afghanistan need a synchronous power grid?

Lack of a single transmission grid (synchronous power grid) Afghanistan needs a unified national power grid. Generally, there are four isolated grids supplied as passive islands from Uzbekistan, Turkmenistan, Tajikistan, and Iran, as shown in Figure 8 . However, the grid lacks flexibility and reliability due to asynchronous operations.

What is the current power system in Afghanistan?

The current power generation system in Afghanistan is techno-economically insufficient. It is worth noting that electricity access in Afghanistan is unevenly distributed, with urban areas having better access compared to rural regions.

How to develop the power system in Afghanistan?

The development of the entire power system in Afghanistan depends on a robust transmission network. Strengthening regulatory frameworks and providing clear policies and administrative procedures are essential to attract investments and develop transmission projects.

Does Afghanistan have a power transmission system?

Afghanistan has a limited power transmission infrastructure, and the network is still being developed and expanded. The transmission system is affected by history and natural topography and consists of distinct and isolated power systems and grids.

Is the power sector a monopoly in Afghanistan?

The Afghan power sector is a monopoly where the participation of private players is absent. The wholly government-owned vertically integrated utility DABS controls all of the energy infrastructure, i.e., generation, transmission, and distribution.

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