

## PDEOZE PowerContainer

# Maldives base station room hybrid energy storage project



## Overview

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**Project Summary:** The project involves the development of a 36-megawatt (MW) solar power project and 40 megawatt hours (MWh) of battery energy storage solutions across various selected islands in the Maldives. What are the benefits of hybrid energy systems in Maldives?

The use of hybrid energy systems (efficient diesel generators + solar PV + energy storage) in Maldives has been successful, resulting in an average fuel savings of 25%. This system is particularly beneficial for buildings and households in Maldives, which account for a large share of the total energy end use. Most buildings in Maldives suffer large energy losses.

What is arise Maldives?

Under the Accelerating Renewable Energy Integration and Sustainable Energy (ARISE) project, supported by the World Bank, Maldives is seeking contractors for installation of 40 MWh capacity Battery Energy Storage Systems (BESS), across 18 electricity grids representing 19 islands/cities.

How can the Maldives achieve “carbon neutrality” by 2030?

While ASPIRE project addresses the need to increase PV generation in Maldives through private sector investment, Maldives envisions an ambitious goal of “carbon neutrality by 2030” along with an immediate target for 2023 to increase the share of renewable energy by 20% compared to 2018 levels.

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