

This report is prepared within Phase 1 of the project Renewable Energy Resource Mapping for the Republic of the Maldives. This part of the project focuses on solar .

List of Maldivian solar panel installers - showing companies in Maldives that undertake solar panel installation, including rooftop and standalone solar systems.

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Now, one of the first sights for any of the 1.7 million tourists visiting the Maldives will be that of the 5 MW solar installation on the highway linking the airport island to Male and its satellite town of Hulhumale.

**Project Summary:** The project involves the development of a 36-megawatt (MW) solar power project and 50 megawatt hours (MWh) of battery energy storage solutions across various selected islands in the Maldives.

World Bank-financed projects ASPIRE and ARISE support the Maldives' energy transition by installing more than 53.5 megawatts of solar capacity and 50-megawatt hours of battery storage. This will reduce Maldives' annual import bill by about \$30 million, with a project lifetime saving of \$756 million over 25 years.

To increase generation capacity from renewable energy sources and to facilitate the integration of renewable energy into Maldives' grid infrastructure.

The World Bank-backed ASPIRE and ARISE projects are coordinated with the Asian Development Bank (ADB) initiative Preparing Outer Islands for Sustainable Energy Development Project (POISED), which supports energy efficiency and renewable energy in the Maldives, particularly in the outer islands.

CSP Concentrated solar power systems, which use mirrors or lenses to concentrate a large amount of sunlight onto a small area, where it is converted to heat for a heat engine connected to an electrical power generator.

Projected to lose 80 percent of its land over the next few decades, the country has some 50,000 residents living two meters above sea level on the artificially reclaimed island of Hulhumale, where houses topped with solar panels generate an estimated 1.5 MW of power into a local grid.



## Solar panels for renewable energy Maldives

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