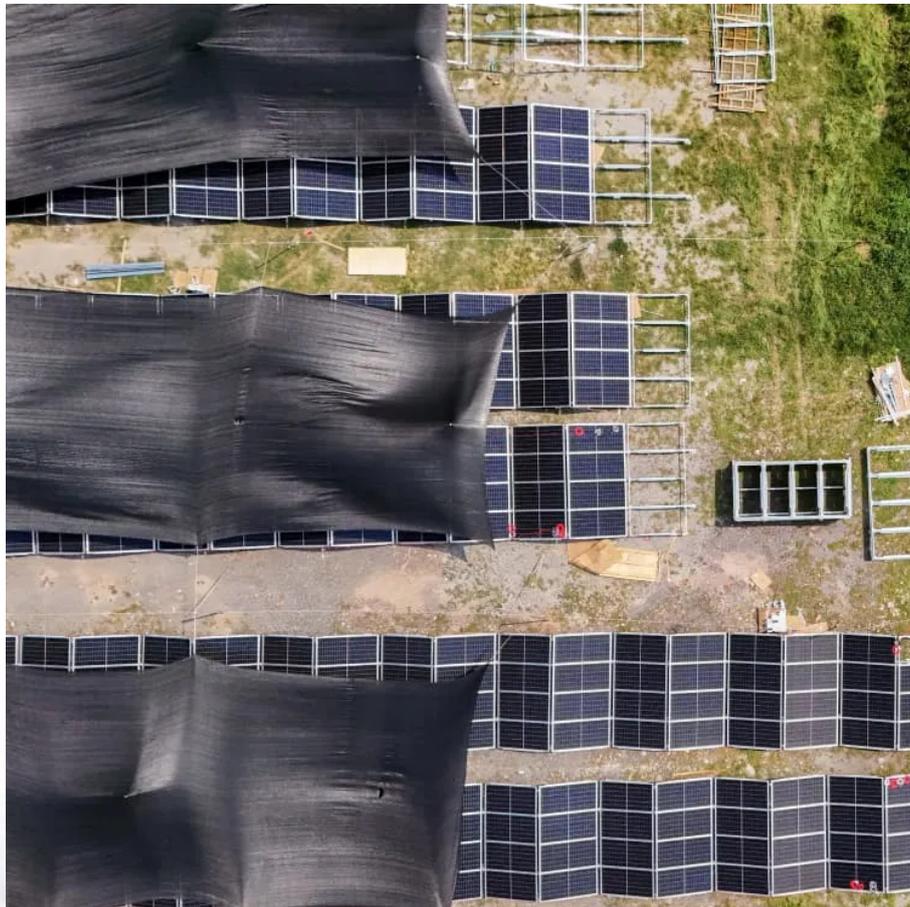


# **Budget Proposal for a 15kW Solar-Powered Containerized Weather Station**





## Overview

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What is a solar weather station?

PV weather station designed for solar operation. The solar panels of the photovoltaic weather station are responsible for capturing solar energy and converting it into electrical energy to provide power for the entire weather station.

How much does a weather station cost?

For basic weather stations, budgets may range from a few thousand to tens of thousands of dollars, while annual maintenance costs may range from a few hundred to a few thousand dollars. Ensuring a good understanding of the needs and making detailed inquiries and quotes from weather equipment suppliers are key steps in obtaining an accurate budget.

How does the Solar 1 weather station work?

Connected through the Weather MicroServer, the Solar 1 weather station includes panel temperature and solar radiation sensor (s).

How do solar-powered weather stations differ from conventional monitoring systems?

Solar-powered weather stations differ from conventional monitoring systems in several ways: Energy Independence: While traditional stations require connection to electrical grids or frequent battery replacements, solar-powered units generate their own sustainable energy supply.



## Budget Proposal for a 15kW Solar-Powered Containerized Weather Station

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