

## SolarTech Power Solutions

# Quote for wind power base station of UAE power plant



IP65/IP55 OUTDOOR CABINET

IP54/55

OUTDOOR ENERGY STORAGE CABINET

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## Overview

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Where is Abu Dhabi's wind program located?

It spans the following four locations: Al Halah in the emirate of Fujairah. Developed by Abu Dhabi Future Energy Company (Masdar), the Wind Program marks a new milestone in introducing utility-scale wind power to the UAE's energy mix. It leverages advances in technology, material science and aerodynamics to capture low wind speeds on utility scale.

What is the UAE wind program?

The project leverages advances in technology, material science and aerodynamics to capture low wind speeds at utility scale, paving the way for further projects. The UAE Wind Program is expected to power more than 23,000 UAE homes a year.

What does a 103.5 MW wind project mean for the UAE?

The 103.5-megawatt (MW) landmark project will introduce cost-effective, large-scale, utility wind power to the UAE's electricity grid, further diversifying the country's energy mix and advancing its energy transition.

What is onshore wind energy potential in the UAE?

Onshore Wind Energy Potential in the UAE  
Masdar In the Middle East, the first onshore wind energy projects have been successfully implemented. The 117-Megawatt (MW) Tafihah Wind Farm is the first commercial utility-scale wind power project in the Middle East, and largest privately funded.

Is there wind energy in the UAE?

Wind energy in the UAE is still in its infancy. The first and up to today single wind turbine in the UAE started producing electricity in 2008 on Sir Bani Yas Island in Abu Dhabi. The turbine is 65 m tall and has a capacity of 850 kilowatts. In 2021, Dubai Electricity and Water Authority (DEWA) preliminary identified.

## Where are UAE's wind farms located?

The other wind farm locations include Delma Island (27MW), and Al Sila in Abu Dhabi (27MW), as well as Al Halah in Fujairah (4.5MW). Previously, wind energy was not viable at utility scale due to low wind speeds in the UAE, but innovations within climate technology and UAE-led expertise have made power generation using wind possible.

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