

SolarTech Power Solutions

How to check the wind power of communication base stations near you



Overview

Where can I find wind resource data?

Explore wind resource data via our online geospatial tools and downloadable maps and data sets. Access our tools to explore wind geospatial data for the contiguous United States and several international regions and countries.

How does weather affect a transmitter station?

Seasonal environmental conditions, such as icing or heavy rain, can impact the performance of a transmitter station and its components, particularly those exposed to continuous weather. The coverage maps are displayed in a single-color format, which corresponds to an estimated signal level.

How are wind turbine records collected & compiled?

Wind turbine records are collected and compiled from various public and private sources, digitized or position-verified from aerial imagery, and quality checked. Technical specifications for turbines are obtained directly from project developers and turbine manufacturers, or they are based on data obtained from public sources.

Where do technical specifications for wind turbines come from?

Technical specifications for turbines are obtained directly from project developers and turbine manufacturers, or they are based on data obtained from public sources. In 2016, USGS, LBNL, and the American Wind Energy Association (AWEA, the predecessor of ACP) began collaborating on development of the USWTDB.

What is the hub height of the wind power resource?

U.S. Wind Power Resource at 100-Meter Hub Height. Last updated 6/29/2020. Display 12244896 results 1 2 3 4 5 Next › Last » Sign up for our periodic newsletter [Email address].

How are airport winds measured?

The hourly winds measured at airports are normally 2- or 3-minute averages of 3- or 5-second samples at the top of every hour. These are not gusts. Newer equipment, particularly the Automated Surface Observation System (ASOS) used at most locations since 1996, automatically records these values from cup anemometer values.

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Contact Us

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