



## Overview

The wind lidar is a "tower replacement" type pulse coherent wind lidar with miniaturisation, low power consumption, and high accuracy, designed and manufactured entirely based on the requirements of IEC 61400-12-1:2017 standard.

## Application

Wind resource survey and evaluation  
Fan power curve testing  
Wind power prediction  
Wind shear analysis of complex terrain  
Planetary boundary layer dynamics

## Advantage

Wide width range: 20m-350m  
High precision: 0.1m/s,  
High resolution: second refresh rate, 1m class  
Easy to carry: small size, light weight

## Parameter

Wind Lidar	
1.5μm Eye-safe	
Wavelength	
Detection Height Range	20m-350m
Spatial Resolution	30 layers in the range of 20-350m, the highest resolution is 1m
Data Updating Interval	1s-10min
Wind Speed Range	0-75m/s
Wind Speed Accuracy	≤0.1m/s
Wind Direction Accuracy	<3°
Data Output	Second wind speed, wind direction, vertical wind speed, maximum and minimum horizontal wind speed, turbulence intensity, Wind shear index
Weight	<30Kg