

SmartWind 10kW



Aerodynamically designed with aircraft experience for low cut in speed maximizing power production for low wind speed areas. The only system designed to provide solid power performance for level 1 and level 2 wind areas. Low profile eliminates avian and bat kills.

Maximum power production is reached at lower speeds. The SmartWind 10 kW reaches maximum power production at 3 mph or 1.34 meter per second. The cut in speed of other wind systems.

Designed for minimum maintenance. All electrical hookup and generator maintenance is at eye level. Counterweights and spring assembly avoid damage. Self regulating in high winds using the principal of hunting bird wings to close into a tight drum in high winds.

GENERAL DESCRIPTION

Start up Wind Speed	0.9 m/s	2 mph	
Cut in Wind Speed	0.95 m/s	2.5 mph	
Cut out Wind Speed	22.4 m/s	50 mph	
Survival Wind Speed	67 m/s	150 mph	
Rotor Speed	< 150 rpm		
Background Noise Level	< 55 db		
Electrical Output*	220/230/240/	50/60 Hz	
Speed Controller	Mechanical - Bird's wing design		
Generator Type	Three phase DC Brush-less		
Braking System	Full Closure into a drum		
Remote Monitoring	Voltage, Current, kWh output		
Mean time to Maintenance/Repair	6 months	8 years	15 years
Unit Weight	650 kg	1433 lb	
Interface	Lan connection		
Limited Warranty	25 years with maintenance		

*Defined by customer, set at factory.

Datasheets can change with time, please verify revision.

Primarily wired in single phase configuration. Ask for three phase capability.

Recommendations. Place in clear area with little turbulence from buildings, trees and other structures.

- a) Support structure not required but recommended especially in loamy or sandy soil areas.
- b) To reduce noise, vibration isolation feet or pad should be used.