

5000W Horizontal Wind Turbine

# WinG 5000 Series

The new EnSmart WinG 5000 is a high quality, extremely durable, highly efficient and superior performance wind turbine. It converts the wind energy into electrical energy in the most efficient way.

With its specially developed no-noise wings are made of 100% fiberglass, In case the wind speed reaches over 3 m/s, the turbine rotates freely and generates electricity, exceeding this holding torque.



## Application

- Commercial and Industrial
- Residential and Resort
- Agricultural
- Remote Areas
- On-Grid and Off-Grid Power

## Key Benefits

- Energy cost savings from wind generated power
- No scheduled maintenance
- Designed to reliably operate in harsh cold & hot climates
- Operation creates virtually no environmental impact
- Cost-effective and financially viable

## Technical Data

### WinG 5000 Wind Turbine

<b>Rated Power</b>	5000 W (at 12 m/s)	<b>Blade Diameter</b>	2,813 m
<b>Type</b>	3 blades, horizontal	<b>Swept Area</b>	6,15m <sup>2</sup>
<b>Generator</b>	Permanent magnet, brushless, gearless,	<b>Blade Material</b>	100% Fiberglass
<b>Housing Material</b>	Maintenance-free	<b>Weight per rotor blade</b>	1200 g
<b>Operating Voltage</b>	Aluminium	<b>Hub Flange</b>	Cast Steel
<b>Current</b>	0 - 90 AC	<b>Starting wind speed</b>	3 m/s
<b>Total Turbine Mass</b>	3-Phase-AC	<b>Charging wind speed (Approx)</b>	4 m/s
<b>Max. Noise</b>	70 kg	<b>Max. RPM</b>	600
<b>Life Expectancy</b>	30 dB	<b>Wind Tracking Direction</b>	360°
<b>Warranty</b>	>30 Years	<b>Braking Method</b>	EM Brake
<b>European Directives</b>	2 Years	<b>European Standards</b>	EN IEC 61400-2:2014
	Machinery Directive (2006/42/EC)		EN 60204-1:2018
	Low Voltage Equipment Directive (2014/35/EU)		EN ISO 12100:2010
	Electromagnetic Compatibility Directive (2014/30/EU)		EN IEC 61000-6-1:2019
			EN IEC 61000-6-2:2019



## Highlights

