



Clean. Simple. Smart.

Standard 1.2 kW

The Windspire® wind turbine is an aesthetically designed vertical axis wind turbine that operates quietly while generating electricity for immediate use in your home or business.

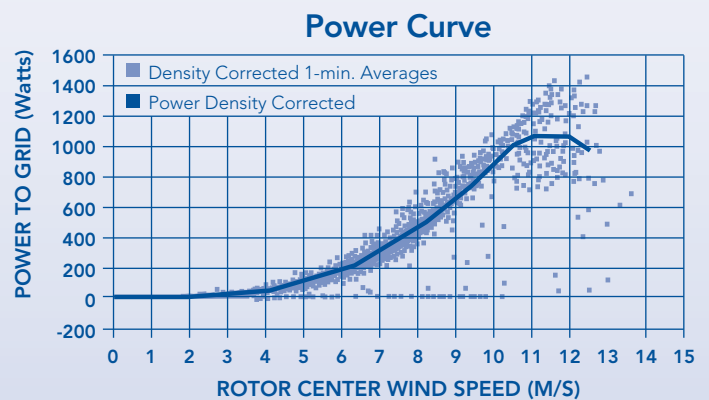
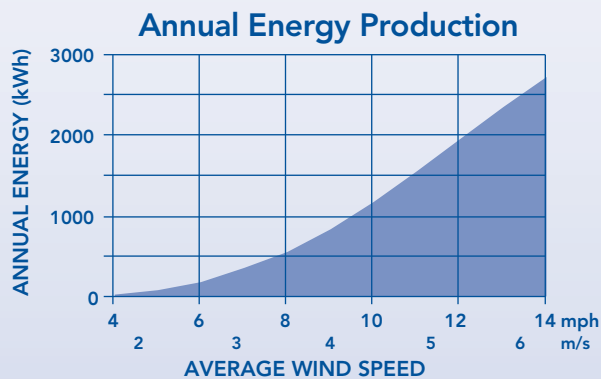
The Windspire is also the lowest priced alternative energy appliance within the one kilowatt range on the market. And it's made in the USA.

Windspire invites everyone to explore the potential of clean energy from the natural power of the wind.

**WINDSPIRE® SPECIFICATIONS - STANDARD 1.2 KW UNIT**

<b>Annual Energy Production (AEP)</b>	2000 kWh <sup>1</sup>	General
<b>Instantaneous Power Rating (IPR)</b>	1.2 kW (1200 watts) <sup>2</sup>	
<b>Standard Unit Height</b>	30 ft   9.1 m (pole extension options available)	
<b>Total Weight</b>	624 lb   283 kg	
<b>Unit color</b>	Soft Silver	
<b>Sound output</b>	6 dBA above ambient (15 mph wind, 6 ft from base)	Rotor
<b>Warranty</b>	5 Year Limited	
<b>Rotor Type</b>	Vertical Axis - Low Speed Giromill	
<b>Rotor Height / Diameter</b>	20 ft   6.1 m / 4 ft   1.2 m	
<b>Swept Area</b>	80 sq ft   7.43 sq m	
<b>Max Rotor Speed</b>	400 RPM <sup>3</sup>	Electronics
<b>Tip Speed Ratio</b>	2.3	
<b>Speed Control</b>	Redundant Electronic	
<b>Wind Tracking</b>	Instantaneous	
<b>Generator</b>	High Efficiency Brushless Permanent Magnet	
<b>Inverter</b>	Inverter Custom Integrated Grid Tie 120 VAC 60 Hz	Ratings
<b>Inverter Certification</b>	Meets IEEE 1547.1; UL 1741	
<b>Performance Monitor</b>	Integrated Wireless Zigbee Modem	
<b>Cut-in Wind Speed</b>	8 mph   3.6 m/s	
<b>AEP Average Wind Speed</b>	12 mph   5.4 m/s	
<b>IPR Rated Wind Speed</b>	25 mph   11.2 m/s	Construction
<b>Survival Wind Speed</b>	105 mph   47 m/s	
<b>Foundation</b>	Poured Concrete	
<b>Foundation Size</b>	2 ft diameter by 6 ft base <sup>4</sup>	
<b>Rotor Material</b>	Recycled Aircraft Grade Extruded Aluminum	
<b>Monopole/Structure Material</b>	Recycled High Grade Steel	
<b>Paint</b>	2 Coats, Corrosion-Resistant Industrial Grade Paint	
<b>Coatings</b>	Rust Veto & Zinc Olive Drab	

**Notes:** 1: AEP is based on the power curve and standard assumptions including a Rayleigh wind distribution and sea level air density. 2, 3: Performance is based on initial field test data. Final testing is currently underway. 4: Foundation size may vary for non-standard soil conditions or non-standard heights.



MADE IN USA



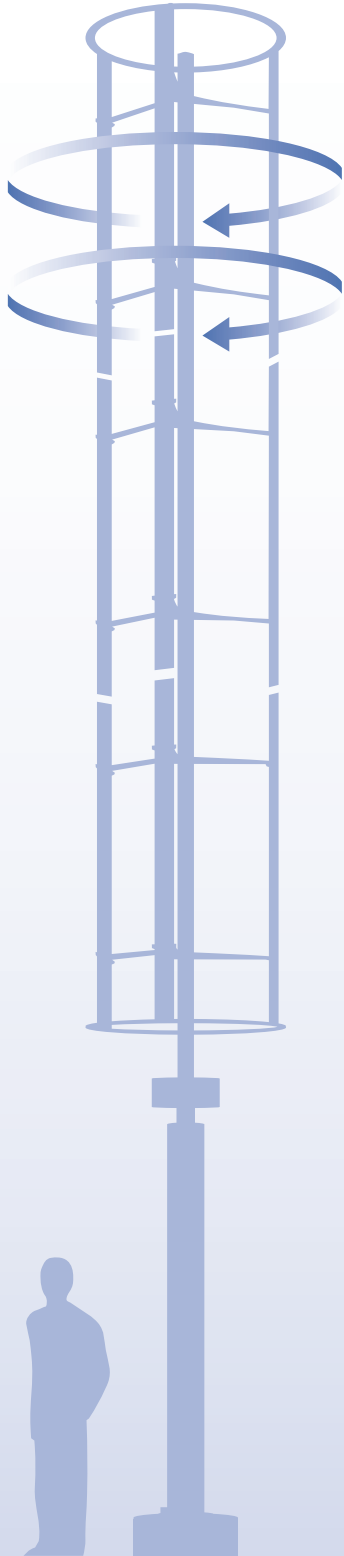
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#### FREQUENTLY ASKED QUESTIONS



#### What is the difference between Energy and Power?

At wind speeds greater than 8 mph, the Windspire will begin producing power, which is measured in Watts (W) or kilowatts (kW). Power output jumps up and down as quickly as the wind changes speed, so the industry measures output over time in kilowatt-hours (kWh) which is how many watts of power are consumed over a full hour. Your electric company charges you for energy usage based on a rate/kWh. Over the course of a year, the 1.2kW Windspire will produce approximately 2000 kWh in 12 mph average winds to help offset the energy you require from the electric company. This is approximately one-quarter of the energy usage of an average home.

#### Are There Tax Credits Available?

The Federal Government provides a 30 percent tax credit for the total cost of the unit, including installation. Many state and local municipalities also offer rebates, as do local power companies.

#### Is it Safe for Birds?

The Windspire® rotates at a lower speed than most wind turbines and is more visible to flying birds. So far, we have had no reports of collisions – and we have had one report of a nest built under an active unit.

#### Are There Specific Requirements for Potential Customers?

A Windspire® site requires land with unobstructed wind and adequate space for installation. The Windspire® also needs at least class two winds – ideally class three (an average of 12 mph) – and a tie to the power grid.

#### Is the Windspire a Grid-Tie or Off-Grid Product?

The currently available Windspire® is grid-tie, which requires the unit to be tied into the local utility grid.

#### Can I sell electricity back to the grid?

Some utilities offer net metering agreements that allow credit for, or in a few places the sale of excess power back to the grid using feed-in tariffs.

#### Is the Windspire® Independently Tested and Certified?

The Windspire® is independently tested at Windward Engineering in Spanish Forks, Utah. This testing allows customers to know what level of power production to expect from specific wind ranges. The Windspire® received ETL certification as of March 2008 for the U.S. and Canada, which includes UL and IEEE testing.

#### What Is the Maintenance?

The Windspire® requires no scheduled maintenance, with moving parts designed for a 20+ year life and ball bearings that are greased for life. Durable construction enables it to produce power for 20+ years. A dual-layer paint coat, rust proof spray, and zinc plating are applied for weather protection.