![Mariah Power]

Windspire® Specifications

		Standard Specification	Options
General	Annual Energy Production (AEP)	2000 kWh*	
	Instantaneous Power Rating (IPR)	1.2 kW*	
	Standard Unit Height	30 ft | 9.1 m	35, 40, or 50 ft | 10.5, 12, or 15 m
	Total Weight	600 lb | 273 kg	
	Color	Soft Silver	Custom Color
	Sound	20 decibels @ 40 ft | 12 m	
	Warranty	5 year limited warranty	
Rotor	Rotor Type	Vertical Axis - Low Speed Giromill	
	Rotor Height; Radius	20 ft | 6.1m; 2 ft radius | 1.2 m	
	Swept Area	80 ft^2 | 7.43 m^2	
	Max Rotor Speed	500 RPM*	
	Peak Tip Speed Ratio	2.8	
	Speed Control	Dual Redundant: passive aerodynamic; electronic	
	Wind Tracking	Instantaneous	
Electronics	Generator	High Efficiency Brushless Permanent Magnet	
	Inverter	Custom Integrated Grid Tie 120 VAC 60 Hz	International Autotransformer Kit
	Inverter Certification	ETL: Meets IEEE 1547.1; UL 1741	
	Performance Monitor	Integrated Wireless Zigbee Modem	Performance Monitoring Kit
Wind	Cut-in Wind Speed	9 mph | 4 m/s	
	AEP Average Wind Speed	12 mph | 5.4 m/s	
	IPR Rated Wind Speed	25 mph | 11 m/s	
	Survival Wind Speed	100 mph | 45 m/s	
Construction	Foundation	Poured Concrete	
	Foundation Size	2 ft diameter by 6 ft base*	Custom for certain soil conditions
	Rotor Material	Aircraft Grade Extruded Aluminum	
	Monopole/Structure Material	Recycled High Grade Steel	
	Coatings	Corrosion-resistant industrial grade paint	Snow & Ice Shedding Coating

*Notes: Performance data is based on initial test data and expected final test results. Final testing is currently underway. AEP is based on assumptions, including a Rayleigh wind speed distribution and sea level air density. Foundation size may vary for non-standard soil conditions or non-standard heights.

Windspire Annual Energy Production

Windspire Power Curve
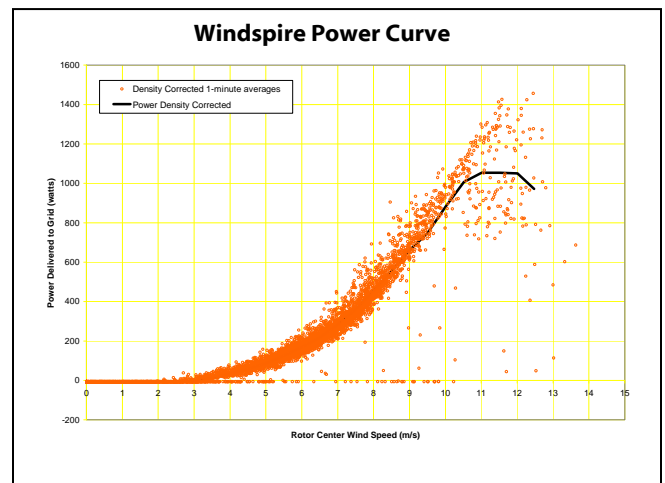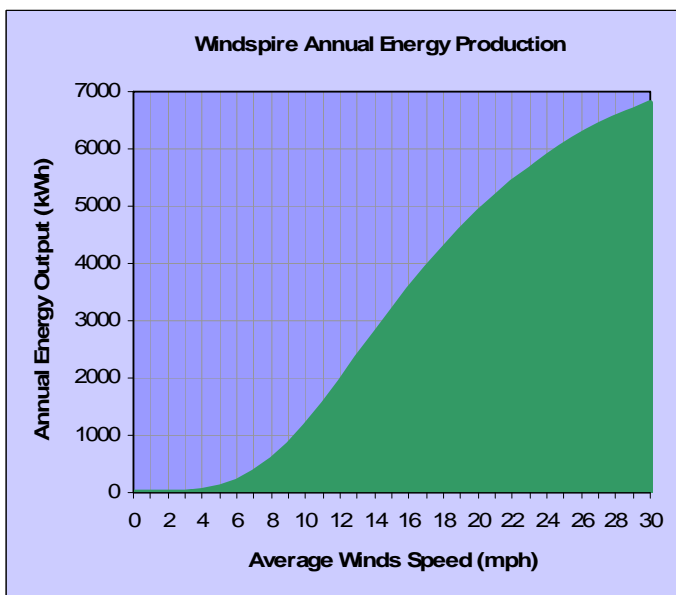
Note: This initial data was provided by Windward Engineering, an independent test facility, using an in-ground installation in real world wind conditions, and scientific 1-minute average binned data. Final data will be released once all electronic settings have been calibrated for optimal performance. We expect final data to be even more impressive.