

# The Power of Wind



Air X



Whisper 100



Whisper 200



Whisper 500



Grid Tie



Off Grid Home



Water Pumping  
Cathodic Protection  
Telecomm

## WHISPER

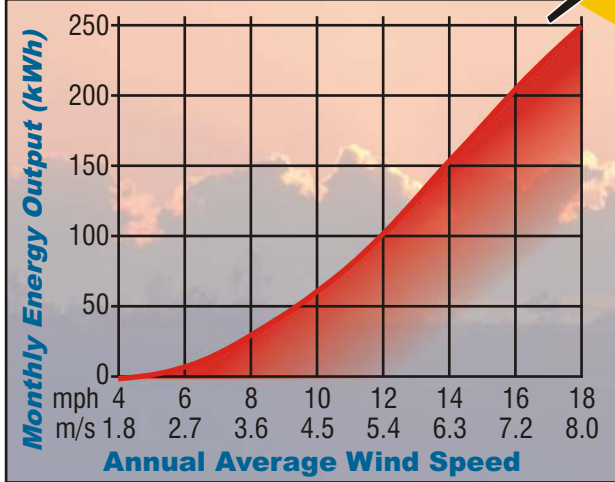
- Quiet
- Affordable
- Reliable
-

# WHISPER 100



Moderate to High Wind Areas  
(9 mph and above)

Years of reliable operation by thousands of customers have made the Whisper 100 the number one selling small wind turbine in its class. With thousands in the field, the Whisper 100 has become the standard for remote homes, telecom sites and rural developing projects for moderate to extreme environments. Assuming a 12 mph (5.4 m/s) average wind, a Whisper 100 will produce 100 kWh per month for your batteries.



## Continuous Refinement

Our Goal is to produce strong, simple designs that offer years of maintenance free operation. At Southwest Windpower, we listen to our customers. Valuable feedback enables us to upgrade our product and manufacture one of the most reliable small wind turbines.

Your Whisper's **voltage** is now **field adjustable** to grow with your RE system



New **bushing** provides superior **reliability** and smoother operation

MULTI-VOLTAGE

A **four bearing spindle** benefits both **efficiency** and **reliability**

Upgraded **yaw shaft** provides **optimal current path**

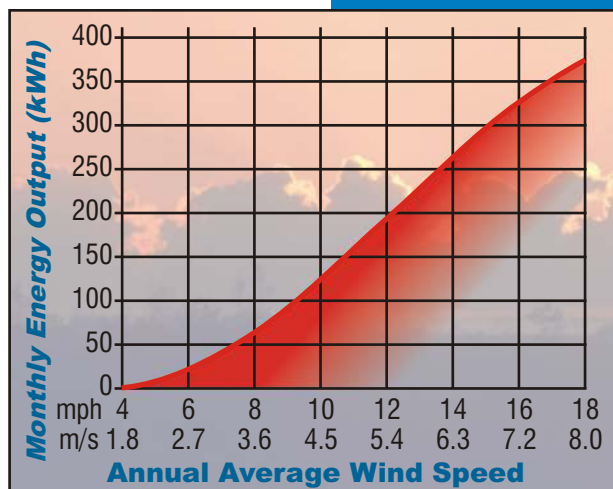


**Patented side furling Angle Governor** protects the turbine in high winds by turning the alternator and blades out of the wind, reducing exposure. Unlike other wind turbines that lose as much as 80% of their output when furling, the Whisper achieves maximum output in any wind.

# WHISPER 200

Low to Moderate Wind Areas  
(7 mph and above)

Get the most out of the wind with a larger swept area blade. The Whisper 200's 9 foot blade has almost twice the swept area of the Whisper 100 which means twice the energy! The Whisper 200 is a versatile design that is used in many applications from remote homes to water pumping. A high voltage model is available for transmission over long distances and grid tied systems.



## Whisper Charge Controller



Optional digital display reads kWh production, battery voltage, max amps, max volts and actual amps.

The Whisper Charge Controller is included with every Whisper 100 and 200. The SCR-based shunt-type controller is housed in a single unit and it is dedicated wind only.

- Individually rectified phases.
- Battery/turbine shunt isolation during regulation.
- Bright LED lights indicate regulation operation and Power ON.
- Quiet diversion-powered fan.
- Large heat sink for efficient temperature dissipation.
- Easy access block connectors for turbine and battery wires. Compatible with any programmable inverter.



Directly connect an anemometer to measure and display peak and average wind speed!

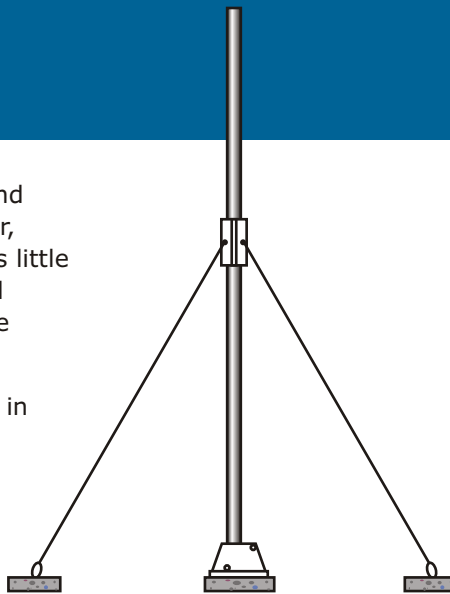
UNPRECEDENTED  
**5 YEAR WARRANTY**  
Southwest Windpower

Warranty your Whisper for an unprecedented 5 years with any approved installation.

# Towers

Tower technology has advanced along with wind turbines. Designed specifically for the Whisper, economical guyed tower kits install easily in as little as 4 hours. All hardware is included (pipe and anchors are available from your local hardware store or Whisper Dealer).

Free standing towers provide a viable solution in areas where space is an issue.



Guyed Tower

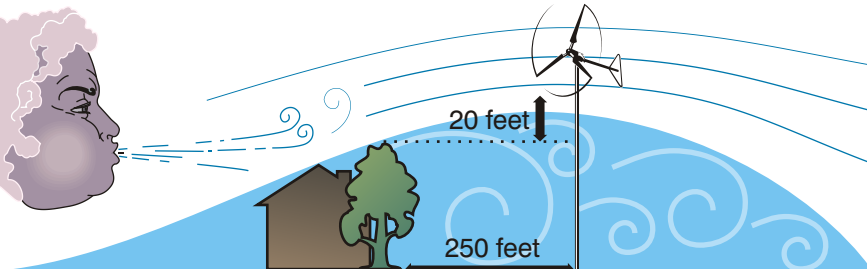
Free Standing Tower



## How can Whisper work for me?

The most important factors in deciding if a Whisper wind system is right for you are wind resource and proper siting. Ask yourself the following questions:

- Do I have adequate wind resource (at least 9 mph average)?
- Do zoning laws allow the use of towers?
- Do I live on 1/2 acre or more of land?



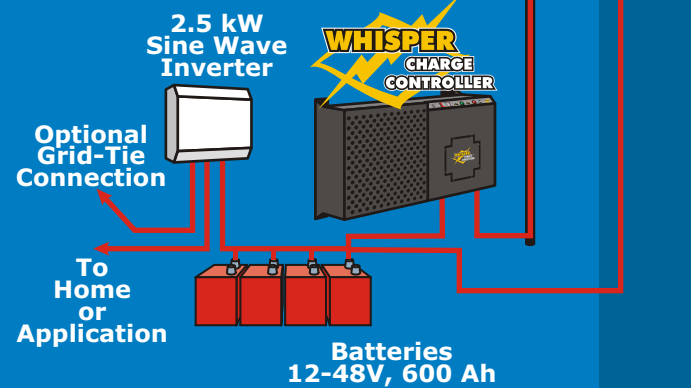
For proper wind siting you must locate your Whisper wind turbine 20' above any surrounding object within a 500' radius.

If your wind speed averages 9 mph (4 m/s) or greater, wind may be an electrical power option for you. Wind turbines can produce power day and night, even in inclement weather.

Visit [www.windenergy.com](http://www.windenergy.com) for more information on choosing the best site for your wind system.

## Typical Whisper System

Most modern renewable energy systems combine a small wind generator with their photovoltaic panels. The purpose is to balance out the ever fluctuating solar and wind resources. Seasonal variances are even more extreme but the patterns of available resource are complementary. Generally in winter months, it is windy and cloudy and in the summer months it is sunny but calm. A hybrid system using a Whisper wind generator is the answer.



0205.04SWP068/OAA22A/Document #2-0401 REV C

Visit [www.talcoelectronics.com](http://www.talcoelectronics.com) for more information or Call us at: 1-877-448-2526