

Energy Independence

The Complete Grid
Connected System

Air X

H-40

H-80

175



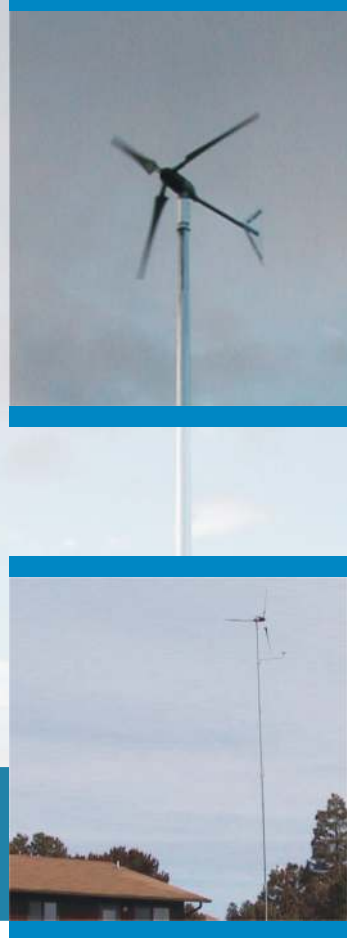
- Capture energy from the wind
- Remain connected to the Grid
- Reduce your electric bill

The Whisper Link Concept

Enjoy the benefits of utility power while reducing your electric bill every time the wind blows! It's been a dream of many homeowners and now it is possible. The Whisper Link 1000 watt wind system will reduce or even eliminate your monthly electric bill.

Based on proven technology with thousands in the field, the Whisper wind turbine can now be directly connected to the electrical grid through the SMA Windy Boy inverter. Depending on your location and energy consumption, a single Whisper Link system will reduce or even eliminate your monthly electrical expense, and in certain areas, generate revenue. You can become your own electric company!

...become your own electric company!



The Whisper Wind Turbine

The Whisper Link centers around the patented technology in the Whisper 200 wind turbine. The Whisper 200 is the world's best selling 1000 watt wind generator and will operate maintenance free year after year.

Designed for low to moderate wind speeds, the 2.7 meter rotor diameter will provide up to 200Kwh per month in as little as a 12 mph average wind (sea level estimate). Three moving parts minimize component wear to achieve years of maintenance free operation. Only annual inspection of the system is required. Bearings are permanently sealed, with nothing to grease, no gear oil to replace or batteries to maintain.

The Whisper Link controller provides overload protection between the Whisper 200 and the SMA Windy Boy Inverter.

The Whisper 200 uses a patented side furling design that allows the alternator and blades to passively turn out when the winds are gusting. As the wind decreases the alternator returns to its original position.



Whisper Link Controller



Patented Side-Furling Design



The SMA Advanced Inverter



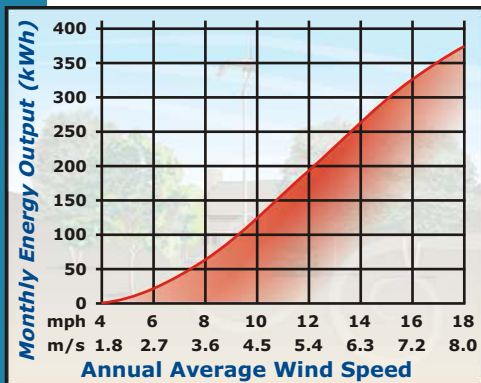
The Whisper Link utilizes SMA's Windy Boy Inverter to complete the system. The Windy Boy inverter incorporates Peak Power Tracking Technology that optimizes output for maximum efficiency. The Windy Boy eliminates the necessity for cumbersome and expensive batteries and results in a typical net power increase of up to 20% over battery connected systems.

SMA inverters have several communication options available including remote capabilities and computer connection.

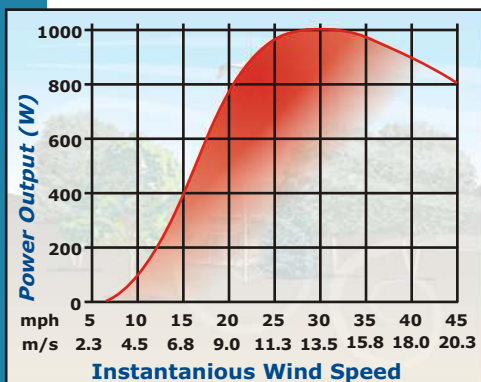
eliminates the necessity for batteries

Performance

The Whisper Link can reduce or eliminate your monthly electrical bill.



Rayleigh Distribution Curve k=2



Specifications

Whisper 200

- Rotor Diameter: 9 feet (2.7 meters)
- Weight: 65 lbs (30 kg)
- Pipe Mount: 2.5" Schedule 40
- Start Up Wind Speed: 7.0 mph (3.1 m/s)
- Voltage: 120V
- Peak Power: 1000 watts @ 26mph (11.6 m/s)
- Controller: Whisper Link

For more information about the Whisper 200 visit our website at www.windenergy.com

SMA Windy Boy Inverters

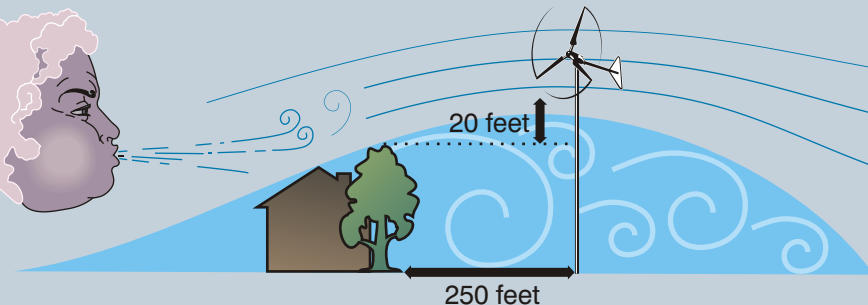
- Max DC Power: 1800-2500 Wp
- Max DC Voltage: 400-600Vdc
- Peak Efficiency: 94%
- Power Consum. < 7w
- Size (mm): 434 x 295 x 214
- Weight: 59-66 lbs (27- 30 kg)
- Ambient Conditions: -13°F to +140°F (-25°C to +60°C)
- Safety Standards: Hardware UL 1741, Firmware UL 1998

For complete specifications visit www.sma-america.com

Will the Whisper Link work for me?

The most important factors in deciding if a Whisper Link 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 I live on ½ acre or more?
- Have I checked to see if there are zoning laws in my area that may prohibit towers?



For proper wind siting you must locate your Whisper 200 wind turbine 20' above any surrounding object within a 250' radius.

If you answered yes or are unsure of your wind resources and zoning laws, take the next step by visiting our website or contacting us directly to find a dealer near you.

Visit www.windenergy.com for a dealer located near you!

Some states offer 50% or more off the cost of a Whisper Link system

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

Save money while making the world a cleaner place: The average home is indirectly responsible for more than 4.5 tons of greenhouse gas every year, much produced by coal and oil fired electrical generators. Wind energy has made significant progress reducing greenhouse emissions. In the United States, 6300 megawatts are generated by the wind to meet the domestic needs of over 2 million homes. Now you can help change the world with your own personal wind powered electrical generator.

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Southwest Windpower

Renewable Energy Made Simple

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