

## Turbine Specifications

### Turbine Specification Fan Diameter: 25'

Power Rating	10 kW +
DC Buss Voltage	24 VDC
AC Buss Voltage	220 VAC
AC Frequency	60 Hz
AC Phases	Single
Grid-tie connect	Standard
Battery bank	Standard
Battery expansion	Yes
Head to Ground Cable	Standard
Alternator type	Excited Field
Turbine Type	Axial
Fan Style	Traditional
Yaw Control	Passive
Furling Method	Passive-Auto
Tower Type	FSL <sup>1</sup>
Tower Anchor	Lagged Hinge
Max Tower Height	80'
Tower inclusino	Standard
Maintenance Ladder	Standard
Brake (PLC Control)	Manual
Control Voltage	24 VDC
Control System	PLC <sup>2</sup>
Availability	In Stock

<sup>1</sup> Free Standing Lattice

<sup>2</sup> Programmable Logic Controller



### RSI Green Energy Solution:

*Go green now. Companies, schools, and individuals, now is the time, under the new U.S. Stimulus package and small wind tax credits, for homeowners and businesses to Go Green.*

## RSI Wind: Stealth/Concealed Towers

Meet your "green energy needs and back-up power requirements" while providing an aesthetically appealing site. At the same time cut the cost by 30% with grants or tax credits!



This Wind Turbine is a Dual Use Structure.  
There are Cellular Panel Antennas Mounted on the Catwalk.

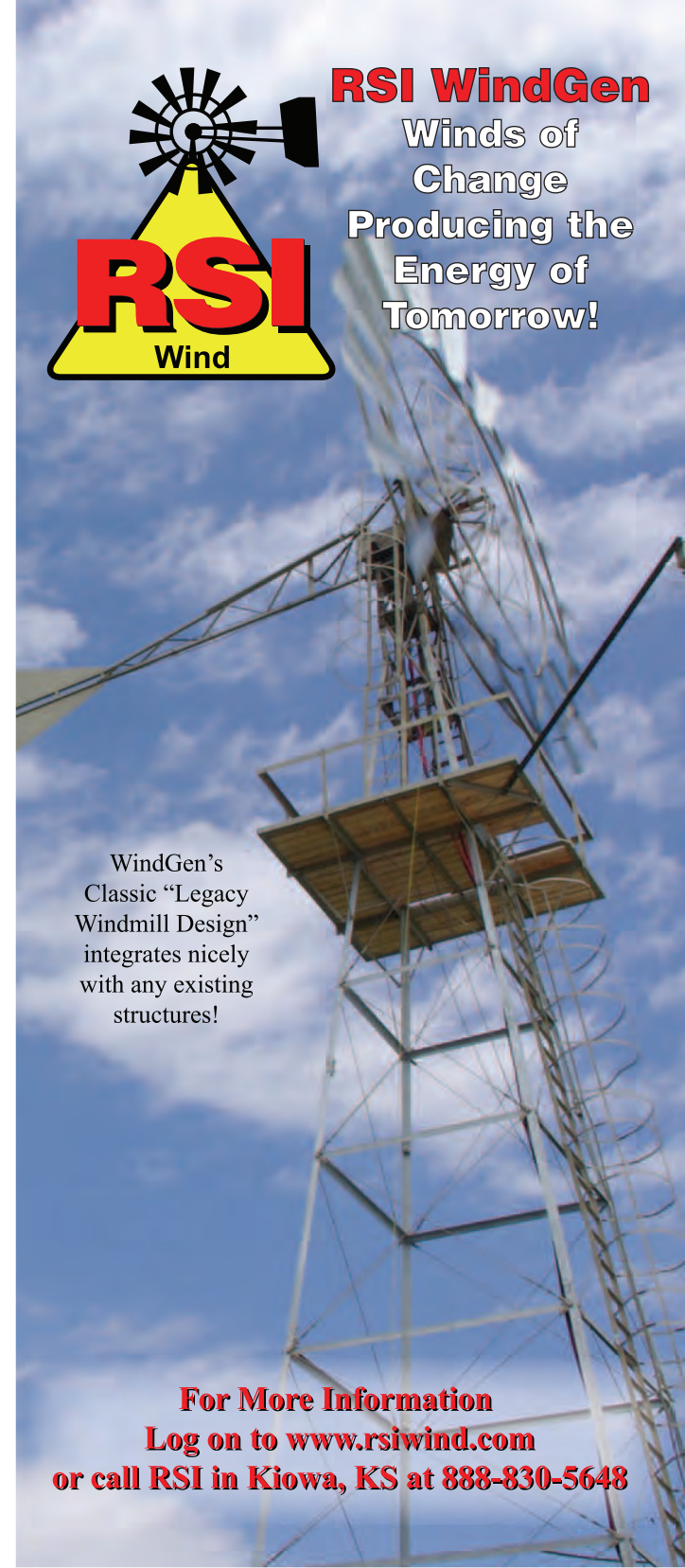
- Special Stealth/Concealed towers for dual use as telecom/cell antenna towers and Green wind power for your sites.
- Aesthetically appealing, the "Legacy Windmill Design" looks familiar to you and your telecom site's neighbors.
- The user can also add battery banks for going "off the grid" or for adding more backup power (this option is built into the standard unit so you can add later). Also, the WindGen can be used with other forms of backup power such as Solar, generators, and existing battery sets.
- Low Cost providing a high rate of return utilizing the 30% federal stimulus tax grant or credit and accelerated depreciation while being self sustaining and producing its own energy.
- No FAA approval needed
- Wind loading to meet TIA standards
- Easy to Install
- Antenna mounts can be designed for your needs

#### Users would include:

- City, County, State and Federal government
- Cell/PCS/LTE and Broadband
- Utility and Railroad
- Sites located near sensitive areas such as schools, mountain tops, lakes and parks.



**RSI WindGen**  
Winds of  
Change  
Producing the  
Energy of  
Tomorrow!



WindGen's  
Classic "Legacy  
Windmill Design"  
integrates nicely  
with any existing  
structures!

**For More Information**  
**Log on to [www.rsiwind.com](http://www.rsiwind.com)**  
**or call RSI in Kiowa, KS at 888-830-5648**

### You watch it turn, not hear it turn!

Lower blade speeds mean much lower noise (one of the leading complaints of three-blade systems). Also, higher speed means higher friction (and therefore higher wear and maintenance concerns). The WindGen's lower rotation speed means a unit that is more dependable with much lower maintenance and one that is actually pleasing to live with!

### Long Term Reliability & Low Maintenance Costs

The WindGen turbines operate reliably for long periods of time with virtually no maintenance. Once installed, the WindGen power system requires little or no maintenance, and will provide electricity cleanly and quietly for 25 to 40 years.

### High Wind? No problem!

All other wind units have to shut down to protect their rotor glass blades and gear boxes from runaway (which in high winds can result in thrown blades or falling towers). The WindGen system has been thoroughly tested, and we stand behind our units. We know that rotor runaway is not an option. The WindGen uses proven "windmill design" but still keeps producing power, even in high wind when others have to shut down.

### Dependable and Reliable

The WindGen's use of induction generators is well proven worldwide to be more dependable and reliable. In fact this technology is well-established and is commonly used in most of the larger wind farm turbines. Other small turbines use Permanent Magnets and small inverters.

### Protect Against Rising Utility Rates

Home owners and businesses have seen their electricity rates spike over the last 5 years. Utility bills are a significant portion of your monthly overhead. Large increases in electricity costs will effect the viability of your business. Installing your own WindGen turbine can reduce or eliminate your exposure to rising electricity rates. The portion of your usage that is generated on site will no longer be subject to increases in electricity rates, in fact you may be selling power back to the utility company. Would you rather rent or own?

### Reduce Operating Costs

A WindGen system can reduce or eliminate your home or business's electric bill. Installing an on-site power WindGen system is equivalent to prepaying for 25-40 years of power at a fraction of the cost you are currently paying. The cost per unit of energy you are currently paying is probably already higher than what you would be paying with wind. As rates increase this difference will only increase, which will result in further savings over the life of the system.

## Cost Reduction and Stimulus Programs

Everyone will get a 30% U.S. Stimulus small wind tax grant or credit! Ag related organizations may qualify for the USDA Grant of 25% and Guaranteed Loans!

The American Recovery and Reinvestment Act of 2009 (H.R. 1) allows taxpayers eligible for the federal renewable electricity production tax credit (PTC) to take the federal business energy investment tax credit (ITC) or to receive a grant from the U.S. Treasury Department instead of taking the PTC for new installations. The new law also allows taxpayers eligible for the business ITC to receive a grant from the U.S. Treasury Department instead of taking the business ITC for new installations.

The full cost of this wind turbine can be depreciated. By harnessing clean renewable energy, you will reduce your operating costs, generating a solid return on your investment! You will also be showing an act of good environmental stewardship.

## RSI Wind: Wind Turbines & Stealth Towers

**Our turbines stand apart from anything else in the industry with advantages no other turbine company can match!**

RSI is a supplier of components for wind and other renewable energy (RE) systems. By harnessing the power of the sun, wind, and water, people around the planet are producing their own pollution-free power right at their own home or business.

**To summarize why our units are the best choice in small wind today:**

- Aesthetically appealing, the "Legacy Windmill Design" looks familiar to you and your neighbors.
- Low start-up wind speed = 7 MPH and will continue to make 10KW of power even in gale force winds.
- Incredibly quiet.
- Construction and durability is unmatched = NO fiberglass or plastic parts.
- Low maintenance and easy access to turbine head.
- Grid tie systems are standard but grid independent systems are available.
- Made in the windy mid-west in an ISO production plant that has over 50 years of machine manufacturing expertise using Mil Specs and UL components.
- Includes free standing 80' tower with 25' blade.
- 5 year warranty on all manufactured parts.
- RSI's unmatched support staff available when you need them to answer questions.
- No permanent magnets and true sine wave power.
- No FAA approval needed, unlike most of our competition.
- Special Stealth/Concealed towers for dual use as telecom/cell antennas, towers, and wind-gen units.

### "ON the Grid" or "Off the Grid", WindGen is both!

The standard unit connects directly to the power grid, but the owner has many options. The WindGen inverter is oversized to handle large wind change events, which are common. Other small turbines, that are grid-tie only, have very small inverters. The user can also add battery banks for going "off the grid" or for adding more backup power (this option is built into the standard unit so you can add later). Also, the WindGen can be used with other forms of backup power such as solar, generators, and existing battery sets.



All Grid-Tie Systems Are Standard



Large HD Grid-Tie Inverters "Xantrex™ Series" True Sine Wave

**Homes, farms, businesses, schools and even cities can produce their own power cost-effectively!**

**For More Information:**

**Phone: 888-830-5648**

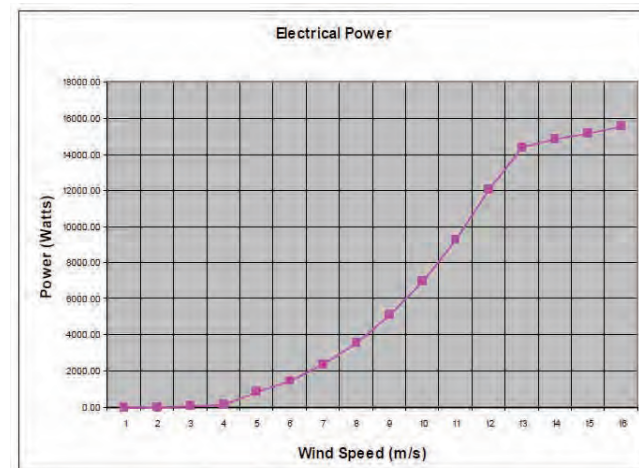
**Email: [sales@rsiwind.com](mailto:sales@rsiwind.com)**

**Web: [www.rsiwind.com](http://www.rsiwind.com)**



### WindGen Power Curve

The following graph represents the power curve of the WindGen. The values are based on actual test data.



**Real Energy, Real Freedom, Right Now!**



**U.S. Tax Grant or Credit of 30%. Along with other programs that may be available within your local area for wind projects.**