

Wind Tulip™



Small Vertical Axis Wind Turbine (VAWT)

The Wind Tulip- your choice of wind turbine – cost-effective, silent, vibration-free, beautiful, and long-lasting, the wind turbine to produce green energy and live next to with pride for many years to come

*The **Wind Tulip (Bitulip™ with 2 blades, Tritulip™ with 3)** is designed for producing clean energy at low starting speeds from any direction while allowing people to enjoy living next to it.*

Features

- ❖ Highly cost-effective
- ❖ Quiet and low vibration
- ❖ Starts producing electricity from wind speeds of 1.2 meters per second (2.7 mph)
- ❖ Available for hookup to grid or batteries
- ❖ 20 year life expectancy, 5 year warranty
- ❖ Low maintenance
- ❖ Hazard free for birds
- ❖ Increase their neighbor's output by 20% when placed close together—Synergistic for MORE ZOOM IN LESS ROOM™

Main Applications

- ❖ Flat rooftops or spaces in both rural and urban environments
- ❖ Commercial buildings such as factories or shopping malls
- ❖ Small Businesses
- ❖ Communication Towers
- ❖ Parking Lots
- ❖ Billboards



Technical Specifications of Tritulip

- ❖ Height: 5 meters
- ❖ Width: 3.5 meters
- ❖ Weight: Approx 600 kilograms
- ❖ Permanent Magnet Generator: 2 or 3.5 Kilowatts
- ❖ Supplied with inverter for grid connection or battery charger for batteries
- ❖ Designed to IEC61400 and AS4777 standards

For more information go to www.flowerturbines.com

Wind Tulip™



TRITULIP

Scientific Background

Facts about the different types of wind turbines

Types of Turbines

There are two basic types of wind turbines: vertical (**VAWT**) and horizontal axes (HAWT). In general, each type has certain advantages and disadvantages. The **Wind Tulip** is a VAWT.

VAWTs in general:

- ❖ Are quieter than HAWTS, and thus are more suitable for locations next to people and animals.
- ❖ Handle turbulence and changes in wind directions.
- ❖ Have significantly less mechanical failure.
- ❖ Have a generator at the bottom for greater structural stability.

The Wind Tulip is very quiet, safe, and does not need to turn towards the wind to maximize its power output. This makes it more economical for you.

The **Wind Tulip** is basically a drag type of turbine. We have taken this type of turbine, designed it through blade ratios, angles, and other features to be more efficient than similar ones, without the turbulence associated with lift-type turbines. Our Tulips can outperform lift-type turbines in real situations where wind speeds are low to good because they start at lower speeds and where the total cost of ownership, including maintenance and durability, is taken into account. They have a higher return per floor space because they are synergistic and can be placed close together in a small wind farm. Lift turbines need to be widely separated.



The **Wind Tulip™** - beautiful to look at, with top quality workmanship and materials, for maintenance free operation for...

Peace of Mind, Eyes and Ears



BITULIP

