

Joule Series™ Vertical Axis Wind Turbine (VAWT) Product Overview

The Joule Series™ VAWT is a vertical axis wind turbine designed to serve a diverse range of electrical generation needs. All of our products are based on the same core design principles and scaled to serve the appropriate market needs. Our solutions can serve the hobbyist, residential consumers, businesses, government and utility scale generation needs. Our customers find the Joule Series™ VAWT ideal for freezing their electric rate while reducing the long term costs of operating their home or business. They also like the fact that our technology is more compact than competitive technologies in that in a given square footage, our solution generates more energy. Further the technology is able to operate in a much wider variety of wind speeds. We can start making energy as low as 4 MPH! By being able to operate at peak efficiency from 40+ MPH until the low 100's, the Joule Series™ VAWT offers customers the largest range of energy generation capacity available on the market to date.

The Joule Series™ VAWT sleek design and extremely large operating range allow for installation in numerous locations. Such locations include:

- Rural environments such as farms, homes, manufacturing facilities and billboards
- Urban Environments such as office buildings, billboards, water towers, and sports stadiums
- Government – Water Towers, Government Service Agency projects, Humanitarian Aide Missions

For those overly concerned about appearance, whether for safety reasons or due to ordinances, we have a Joule Series™ VAWT to fit these needs as well. This is our Designer Joule Series™ VAWT. This design allows it to mimic the sky and the surrounding skyline so as not to be a distraction. And, as time or budget permits, all of our Joule Series™ VAWT are able to be teamed together to form Wind Orchard and Wind Farms.



The Joule Series™ VAWT has numerous advantages:

- Modular Nature
- Nearly Silent Operation
- Increased Uptime
 - Begins energy harvest at very low wind speeds
 - Continues making power long after other turbines have stopped
- Varying Configurations Available
- Sustainably Manufactured
 - Recycled Plastics for Turbine Cage
 - Recycled Aluminum for Blades
 - Almost ALL of the Garden Joule is recyclable
- Government Assistance
 - 30% Federal Tax Credit
 - 25% REAP Grants and Loan Guarantee's
 - PACE
- Minimal Maintenance Required
- Made in the USA

Do I have the right location for a Joule?

If you live in an area that either has high energy costs (above 9.5cents per kW hour) or where the wind seems to blow all the time, you probably have the right location for a Garden Joule.

To find out more about our Joule Series™ VAWT:
You can reach us via email at info@freiezo.com
You can also call Freiezo at 440.FREIEZO | 440.373.4396

