



# Winglette

WIND POWER FOR YOU...

## Electricity

*For you...*

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### —Tower Height choice...



Guy wired tower



Stand alone tower

PICTURE GALLERY

Your wind generator must have a clear shot at the wind to **perform well**. Turbulence which is highest close to the ground, reduces energy production, and wear your **Winglette** wind generator out. Fortunately, turbulence diminishes as wind speed increases with height, above ground level.

The energy available in wind, is a cubed function of wind velocity. Increasing wind velocity **increases the power out put** of the wind system to the third power. Because of this cubed function, wind velocity is the one variable that has the greatest impact on the power equation.

From this simple observation, one can conclude the following:

- Turbulence and ground drag reduces wind velocity.
- Turbulence and ground drag can be minimized with **high towers**.
- The rate at which wind speed increases with height, is a function of surface vegetation, ground roughness, and buildings around the site where you want to install your machine.
- The top of the tips, of these obstacles, is the effective ground line for the wind system.
- The higher one goes above this effective ground line, at the site of installation, the more power one's wind machine will produce.

That is why, **wind generators live on tall towers**. Their fuel is up there. The quality of your wind resource improves radically with height. A **tall tower** is a must for good energy production with you **Winglette** wind generator.

So, how high is high enough? It has been proved that one **Winglette** wind generator on a 30m tower produce more than twice as much energy, as two W03 machines on 12m towers. THE CHEAPEST WAY TO INCREASE THE POWER OF YOUR WINGLETTE, IS TO **INCREASE ITS TOWER HEIGHT**.

**Choose today:**

[...the wind is blowing...](#)

[..the power is there...](#)

[...take your share...](#)

**Our rule of thumb for tower height choice is:** Choice a tower size, at least 6m higher than twice the height, of the obstacles within 150m of you wind generator. ( In open grass land, take the turbulence obstacle height as 6m. )

A wind generator is a serious investment that you are making that will effect your life style for, presumable, many years in the future. Going for a decent high tower is **by far the wise thing to do.**

**High towers** is the better choice. It's that simple.

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