

Vertical Axis Wind Generator

It is virtually noiseless and its cut off speed is at 1 m/s. It can generate electricity at a very low (2,5 m/sec.) wind speed. The equipment reaches its rated speed at 8-10 m/sec. It does not need to stop the system in case of storm. When the wind speed reaches the critical level, an automatic electronic brake is activated which prevents shaft rotation from speeding up. The turbine rotates at its constant maximum speed producing maximum power. The highest measured wind speed was 140 km/h.



ADVANTAGES:

- Low investment cost
- Short installation time
- Small size and high performance
- The system can be expanded as required
- It can be transported anytime, installed anywhere and rented or leased
- The system doesn't require constant human maintenance
- Has no negative impact on the ecosystem
- It works under 40 dB (in line with the German regulations)
- It can work as an Off-grid and also as an On-grid system



APPLICATION AREAS:

The system is a perfect solution for small communities, disaster areas, eco-houses, since it is able to provide electricity as an uninterrupted power supply. Its small size and compactness makes it also great for electric vehicle charging stations alongside the highways and already existing gas stations.

If you are interested, please respond to:

Mr Balázs Mogyorósi

Technology Transfer Manager,

LC Innoconsult International

innovacio@lcinnoconsult.com