

## **WIND GENERATOR KIT**

*Complete Set Including All Accessories  
500 watts rated at 12,5 m/s (= 28 mph)  
6 meter tower (= 20 ft.)*

### **FOR CONNECTING TO THE HOME GRID**

#### **FREQUENTLY ASKED QUESTIONS**

- 1. Question: WHERE CAN THE WIND GENERATOR KIT BE USED AND APPLIED?**

Answer: Generally everywhere where there is a connection to the conventional grid system.  
**Recommendation: The first connection of the unit to the grid should be done by a licensed electrician.**
- 2. Question: WHAT IS THE PURPOSE OF USING THE WIND GENERATOR KIT?**

Answer: To supply current by alternative energy (wind power) and reduce utility costs.
- 3. Question: WHAT IS THE MAXIMUM OUTPUT OF THE WIND GENERATOR?**

Answer: The rated output is 500 watts at 12.5 m/s wind speed (= 28 mph). The maximum output is 900 watts.
- 4. Question: AT WHICH WIND SPEED DOES THE WIND GENERATOR START TURNING?**

Answer: It starts turning at a wind speed of 0.9 m/s (meters per second) (= 2 mph).
- 5. Question: WHAT IS THE AVERAGE WIND SPEED?**

Answer: Worldwide the average wind speed is about 4.5 m/s (meters per second) (= 10 mph)
- 6. Question: WHICH COMPONENTS ARE NECESSARY FOR THE ASSEMBLY OF THE WIND GENERATOR?**

Answer: ALL required components for the assembly and installation of the wind generator are included in the package!
- 7. Question: WHICH ADDITIONAL ACCESSORIES ARE NECESSARY FOR OPERATING THE WIND GENERATOR?**

Answer: For connecting to the home grid it requires a grid-tie inverter. This component is optionally available.

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**8. Question: UP TO WHICH HEIGHT MAY THE WIND GENERATOR BE INSTALLED? ARE THERE ANY RESTRICTIONS ISSUED BY THE BUILDING AUTHORITIES?**

Answer: There are different laws depending upon where you live; however, it is recommendable to inquire at the responsible building authority!

Remark: Our wind generator has a total height (when using all tower sections) of 7,3 m (= 24 ft.).

**9. Question: WHAT IS THE NOISE LEVEL OF THE WIND GENERATOR IN OPERATION?**

Answer: The measured noise level is +/- 45 dB at a wind speed of 7 m/s (= 15,5 mph).

**10. Question: DOES THE WIND GENERATOR TURN ITSELF AUTOMATICALLY INTO THE WIND?**

Answer: Yes. This is regulated by the tail.

**11. Question: WHAT HAPPENS IN CASE OF EXTREMELY STRONG WIND OR STORMS?**

Answer: The unit has been designed with an "auto-furl" mechanism (speed control) in order to resist strong winds up to 150 km/h (= 93 mph) . The automatic furling system adjusts the tail according the wind speed and turns the rotor away from the wind. If it is known that a storm is coming, it is recommended to lower (lay down) the wind generator unit.

**12. Question: WHAT IS THE EXPECTED SERVICE LIFE AND WARRANTY OF THE WIND GENERATOR?**

Answer: The expected service life of the wind generator is 10 years. The manufacturer's warranty is 2 years, provided that the wind generator has been installed according to the assembly instructions and is maintained on a regular basis.