Wind turbine generator 1000w

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Unlike many vendors in the small wind business. We use real wind buck boost MPPT technology to make more power over time than any leading wind turbine manufacturer for the money.

We have listed this turbine by itself as some of the consumer are doing direct grid tie applications with lower voltage start-ups for which buying the turbine without it"s controller is appropriate. As always if you have questions see our technical support line for questions or contact us through eBay messages if you do not know if the product is right for you.Greeting folks Tony from Hurricane Wind Power here. Let me start out by saying we have put a lot of work into our new wind turbines. We have some of the best pound for pound machines in small wind period!

Hurricane wind power is making our wind turbine blades available that we use on our XP and Vector wind Turbines. We have had good luck with these blade which feature one major advantage over our competitors....

Hurricane Stealth Storm Wind Turbine Blades utilize their airfoil as a method of breaking eliminating the need for furling and the associated wear that comes with the turbine being violently moved about in high winds which contribute both to bearing wear, blade tension and many other undesirable forces acting on small wind turbines in high speed wind operation.

Hurricane Stealth Storm Wind Turbine Blades utilize asymmetrical and twisted aerodynamic design which ensures rotor capture maximum power from wind (Cp>0.32 in low wind) and operates in amazingly low noise and minimal vibration.

Large ratio of tip section chord to root section chord and variable chord airfoil blade ensures rotor start-up easily and running smoothly with high torque & RPM at low wind conditions Aerodynamic blades designed with over-speed dynamic blade braking systems ensure the generator is well protected in higher winds.

Reinforced nylon glass-fiber using advanced thermoplastic engineering and precision injection molding technology for higher strength, flexibility and reliability .Cp.>0.32 at low wind.

Typical wind turbines have three moving parts The generator head, yawing and mechanical furling body parts, Hurricane replaced mechanical furling by using advanced electromagnetic and Dynamic blade braking which only take two moving parts, this in turn improves generator reliability significantly as it is subject to less mechanical failure and bearing wear from stress and impact.

Abandoned the traditional failure-prone mechanical furling system, the blade itself is designed with over-speed braking system which will generate a reverse reluctant torque to lower the blade rotation speed so that the blades and generator can be well protected in higher wind, it solved safety and reliability problems

facing by

most small wind turbines. Combination of Electromagnetic braking and aerodynamic braking maximizes energy capture by extending turbine’s operating speed range into higher and lower wind speed which are missed by the old style wind turbines

The blades have exceptional consistency and aerodynamic outline with a mass distribution which ensures the rotor/ blade set operates with minimal vibration and very low noise. Perfectly matched to the Hurricane White Lightening XP and Vector wind generators the blade cause much less resonance of the wind turbine and tower.

Blade Aerodynamics Braking limits blade to rotate at the rated RPM which could avoid higher noise and vibration caused by extreme wind. Wind turbine with minimal vibration and low noise can be mounted on rooftop safely and its operation won’t affect the resident.

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