



1600 watt wind turbine

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Patriot-WZ 12V AC 1600W Wind Turbine Kit with WindZilla And 12V Charge Controller For Land or Marine Use

Generator Specification:

GreenergyStar's Patriot Wind Turbine is the most mechanically advanced generator in the market today. It features many upgrades that solves performance issues that our competitors struggle with. It is designed to work with other GreenergyStar branded products such as the SolarWind Hybrid RX charge controller and grid tie inverters to better utilize the renewable energy generated. The following list will summarize its major features:

I. Exceptional Body Design

Without Tower Adapter / Bearing - When there is no tower adapter, it makes installation harder than it has to be - Without bearing, metal connection / joints will grind on each other and wear out - Plays will get larger and turbine will vibrate during operation

- Color: White - With 62" swept area when mounted on a 5.5" Hub - Incorporates highly efficient, true airfoil - Quiet performance with minimal vibration - Can generate 800 watts or more depending on PMA efficiency - Manufactured using a precision injection molding process that produces blades of exceptional consistency - Made with new thermoplastic to increase durability - Smoother and more durable than any blades you can find in the market - Adjustable blade degree with included degree adjusters / shims (see picture below) - High resistance to bending (over 150 degrees)

Nylon is a man made product. On the man made side, you will see primarily three types of thermoplastic. These are polyester, polypropylene, and nylon. Of the three types, nylon is by far the better choice.

Nylon is extremely versatile in its applications. It is highly resistant to abrasion and has excellent resilience. Within nylon, there are two groups: nylon 6 and nylon 6.6. Nylon 6.6 is the premium thermoplastic. It is the thermoplastic that is most often specified by professional architects and designers because it provides the flexural strength, low-temperature toughness, UV Resistance and is the most resilient. Nylon 6.6 performs well in many applications such as wind turbine blades, automotive parts, and other fields that get a lot of wear and tear. Nylon 6.6 has additional molecules that give extra strength and the resilience compared to nylon 6. If you still have no idea what Nylon 6.6 is, do a search on google.

Adjustable blade degree with included degree adjusters (Shims) Increase/decrease blade angle by installing degree adjuster under the blades "+" on the right side = Increase angle = More Torque, Less Speed "-" on the



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right side = Decrease angle = Less Torque, More Speed

IV. Rebuildable, Perfect DIY Project

- 1 Patriot-WZ Wind Turbine - 1 WindZilla PMA - Blue controller - 6x Blades - Hub with 6 lots - Tail - Screws and Nuts - Degree Adjuster - Allen Key - Instruction Manual

Warranty: We will warrant this unit against any manufacture defects or workmanship for 1 year from the date of purchase. This limited warranty specifically excludes damage caused by improper installation, accident, misuse, abuse, improper storage, or any unauthorized disassembly, repair, or modification. This warranty is not transferable. In the event of a claim against this warranty, the seller's obligation, and the claimant's sole remedy, shall be replacement of the product, repair, or refund of the original purchase price excluding any shipping and handling fees. All shipping and handling fees going both ways are responsible by the buyer.

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