



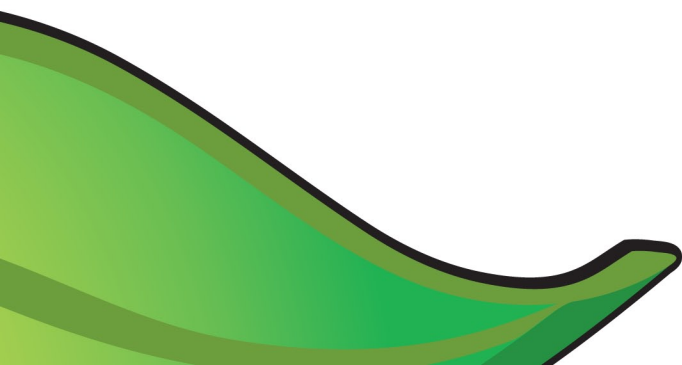
# UGE-4K

With **Urban Green Energy's** 4kW Vertical Axis Wind Turbine, you can make your own energy choice and ensure your home or business's power is provided by a 100% clean, renewable energy source. Quieter than a human whisper, the UGE-4K can be installed on a tower, a roof, or just about anywhere!

The UGE-4K is designed to power an average home with wind speeds as low as 10 mph (16 km/h). It's also easy to combine multiple turbines into one system to provide even more power!

Choose the Grid-Tie option to sell excess electricity back to your local utility company, and have the added security of knowing any electricity requirements can be met under any circumstance. **BATTERY BACKUP**  and **SOLAR READY**  configurations make this product the most versatile of its kind in the market.

Please speak to your local distributor or visit [www.urbangreenenergy.com](http://www.urbangreenenergy.com) for more information on our products and government incentives that will make your purchase even more affordable!



# SPECIFICATIONS

## General

Axis \_\_\_\_\_ Vertical  
Height \_\_\_\_\_ 4.40 meters  
Width \_\_\_\_\_ 3.00 meters  
Weight \_\_\_\_\_ 444 kg  
Swept Area \_\_\_\_\_ 8.8 m<sup>2</sup>  
Blade Materials \_\_\_\_\_ Carbon Fiber and Fiberglass

## Performance

Rated Power \_\_\_\_\_ 4000 W  
Cut-in Wind Speed \_\_\_\_\_ 3.5 m/s  
Cut-out Wind Speed \_\_\_\_\_ 30 m/s  
Rated RPM \_\_\_\_\_ 125 RPM  
Survival Wind Speed \_\_\_\_\_ 55 m/s  
Rated Wind Speed \_\_\_\_\_ 12 m/s  
Noise Level at 12 m/s \_\_\_\_\_ 38 dB

## Certifications

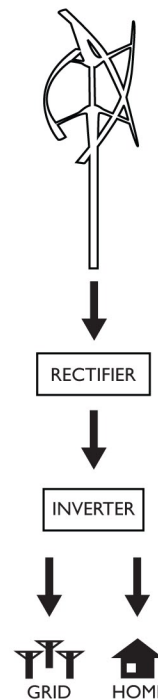
CE Certified \_\_\_\_\_ European Conformity  
IEC-61400-2 \_\_\_\_\_ Wind Turbine Safety  
IEC-61400-11 \_\_\_\_\_ Noise Level Certification  
IEC-61400-12 \_\_\_\_\_ Power Performance Certification  
ISO-2631 \_\_\_\_\_ Vibration Level Certification

## Electric Generation

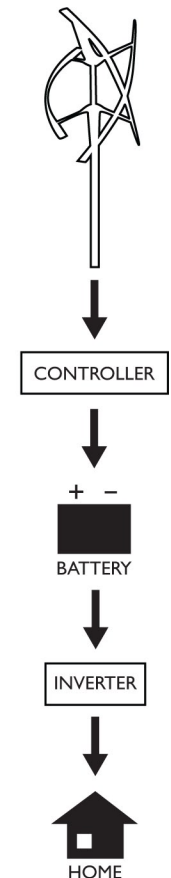
Generator Type \_\_\_\_\_ Three-Phase Permanent Magnet  
Rated Output  
Off-Grid \_\_\_\_\_ 48 V DC  
Grid-Tie \_\_\_\_\_ 600 V DC

Inverters and Controllers available for all locations and regulations

## Grid-Tie



## Battery Backup



For more information, visit  
[www.urbangreenenergy.com/eddy](http://www.urbangreenenergy.com/eddy)  
[info@urbangreenenergy.com](mailto:info@urbangreenenergy.com)