

# UGE-4K™

## SILENTLY POWERFUL

The **UGE-4K** vertical axis wind turbine by **Urban Green Energy** is here to change the path of small wind. Quiet, yet powerful, it is the ultimate achievement in small wind, allowing our patented technologies to create a powerful system to offset your energy use, whatever the demand may be!

Whether you are eager to send energy to the grid or to charge a bank of batteries off the grid, the UGE-4K is an excellent solution for those looking to benefit from the untapped energy of the wind.

Visit [www.urbangreenenergy.com/products/uge-4k](http://www.urbangreenenergy.com/products/uge-4k) today to find out how the UGE-4K is saving the planet, one wind turbine at a time!



## General

|                 |  |
|-----------------|--|
| Axis            | Vertical                                   |
| Height          | 4.60 m (15.10 ft)                          |
| Width           | 3.00 m (9.85 ft)                           |
| Weight          | 461 kg (1016 lb)                           |
| Swept Area      | 13.8 m <sup>2</sup> (149 ft <sup>2</sup> ) |
| Blade Materials | Carbon Fiber and Fiberglass                |

## Performance

|                       |                   |
|-----------------------|-------------------|
| Rated Power           | 4000 W            |
| Cut-in Wind Speed     | 3.5 m/s (7.8 mph) |
| Cut-out Wind Speed    | 30 m/s (67 mph)   |
| Rated RPM             | 125 RPM           |
| Survival Wind Speed   | 55 m/s (123 mph)  |
| Rated Wind Speed      | 12 m/s (27 mph)   |
| Noise Level at 12 m/s | 38 dB             |

## Certifications

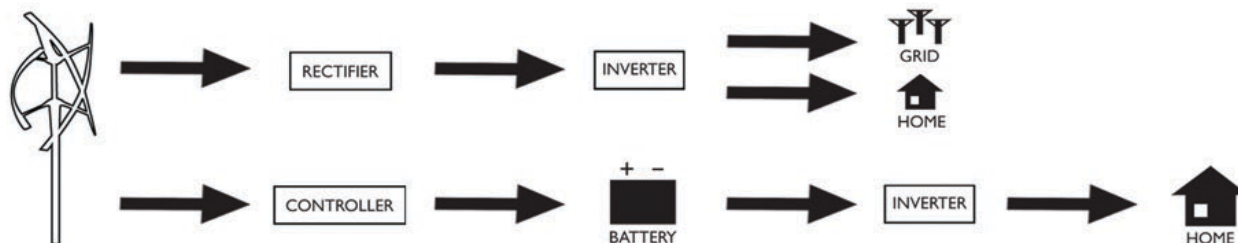
|              |                                 |
|--------------|---------------------------------|
| CE Certified | European Conformity             |
| IEC-61400-2  | Wind Turbine Safety             |
| IEC-61400-11 | Noise Level Certification       |
| IEC-61400-12 | Power Performance Certification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

## Electric Generation

|                |                              |
|----------------|------------------------------|
| Generator Type | Three-Phase Permanent Magnet |
| Rated Output   |                              |
| Off-Grid       | 48 V DC                      |
| Grid-Tie       | 530 V DC                     |

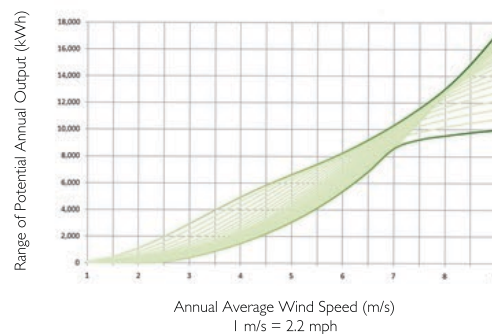
Inverters and Controllers available for all locations and regulations

## Grid-Tie and Battery Backup configuration

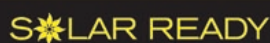
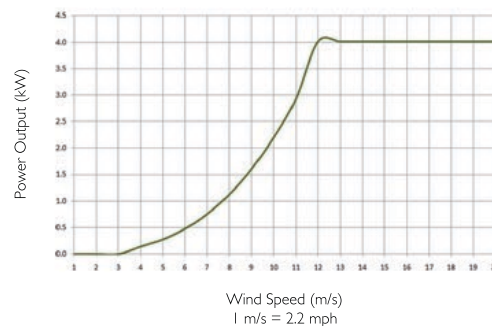


## SPECIFICATIONS

UGE-4K Annual Power Output



UGE-4K Power Curve



For more information, visit  
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