

# Technical Documentation

# Specifications for UGE-4K

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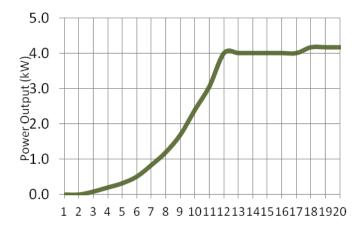
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# 4kW Wind Turbine Specifications

## **Physical Information**

**Axis** Vertical Height 4.60 meters Width 3.00 meters Weight 461 kg 13.8 m<sup>2</sup> Swept Area **Blade Materials** Carbon Fiber

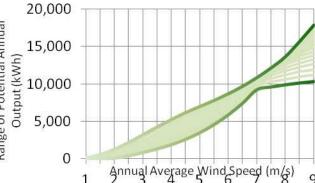


Wind Speed (m/s) 1 m/s = 2.2 mph

### **Performance**

Rated Power 4000 W Cut-in Wind Speed 3.5 m/s **Cut-out Wind Speed** 30 m/s Rated RPM 110 RPM Survival Wind Speed 55 m/s Rated Wind Speed 12 m/s Annual Energy at 5 m/s 4560 kWh

Range of Potential Annual 15,000 Ontbut (KWh) 10,000 5,000 0



### Certifications

Noise from IEC 61400-11 at 12 m/s

**CE Certified European Conformity** IEC-61400-2 Wind Turbine Safety IEC-61400-11 Noise Level Certification

Power Performance Certification IEC-61400-12 Vibration Level Certification ISO-2631

38 dB

& Fiberglass

#### **Electric Generation**

**Generator Type** Three-Phase Permanent Magnet **Ambient Temperature** -25 C to 65 C (-13 F to 150 F)

**Drive System** Direct Drive

**Rated Output** 

Off-Grid 48 Vdc Grid-Tie 600 Vdc

**Inverters and Controllers** Available for all locations and regulations