

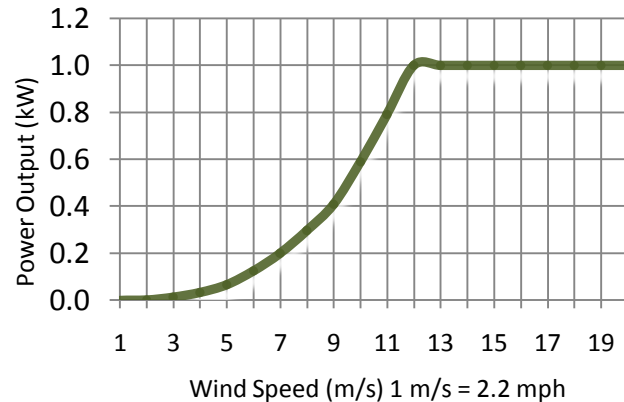


Urban Green Energy

1kW Wind Turbine Specifications

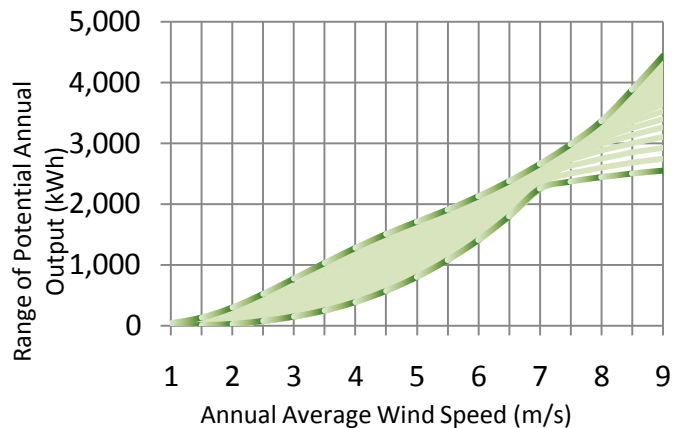
Physical Information

Axis	Vertical
Height	2.70 meters
Width	1.80 meters
Weight	175 kg
Swept Area	3.24 m ²
Blade Materials	Carbon Fiber & Fiberglass



Performance

Rated Power	1000 W
Cut-in Wind Speed	3 m/s
Cut-out Wind Speed	30 m/s
Rated RPM	180 RPM
Survival Wind Speed	55 m/s
Rated Wind Speed	12 m/s
Annual Energy at 5 m/s	1250 kWh
Noise within 3 meters	
at <7 m/s	38 dB
at 7-10 m/s	42 dB
at >10 m/s	47 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	24 Vdc or 48 Vdc
Grid-Tie	600 Vdc
Inverters and Controllers	Available for all locations and regulations