



Technical Documentation

Specifications for UGE-4K

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Urban Green Energy

4kW Wind Turbine Specifications

Physical Information

Axis	Vertical
Height	4.60 meters
Width	3.00 meters
Weight	461 kg
Swept Area	13.8 m ²
Blade Materials	Carbon Fiber & Fiberglass

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
Noise from IEC 61400-11 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
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

