



# **Technical Documentation**

## **Specifications for HoYi!**

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## UGE-1M Wind Turbine Specifications

### Physical Information

Axis	Vertical
Height	1.3 m [4'-3"]
Width	0.8 m [2'-8"]
Swept Area	0.84 m <sup>2</sup> [9 ft <sup>2</sup> ]
Weight	41 kg [90.4 lbs]
Blade Materials	Fiberglass
Blade Color	White, Silver, Black, Green, Custom

### Performance

Rated Power	200 W
Rated Wind Speed	12 m/s [26 mph]
Cut-in Wind Speed	2.5 m/s [5.6 mph]
Cut-out Wind Speed	30 m/s [66 mph]
Survival Wind Speed	50 m/s [110 mph]
Rated RPM	200 RPM

### Electric Generation

Generator Type	Three-Phase Permanent Magnet
Drive System	Direct Drive
Rated Output	24 Vdc (Off-Grid)
Temperature Range	-25° C to 40° C (-14° F to 105° F)

### Certifications

CE Certified	European Conformity
ISO 9001	Manufacturing Quality Management

Model Number	UGE-1M
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### Power Curve

