

Specifications

1 kW

510V Aeroturbine

OVERALL

Cut in Wind Speed	6.3 mph
Rated Wind Speed	32 mph
Survival Wind speed	90+ mph
Rated RPM	159
Maximum RPM W/Load	297.5
Maximum RPM No Load	380/Self Regulating

510V AEROTURBINE

Cage Height	10 ft
Cage Diameter	5 ft
Rotor Height	109 in
Rotor Diameter	57 in
Rotor Area	43.15 sq ft
Rotor Weight	86 lbs

ALTERNATOR*

Type	3-phase PMA
Rated Phase Voltage	120 VAC
Rated Phase Current	10 A
Rated Speed	200 Rpm
Rated Power	1 kW
Maximum Power	2 kW

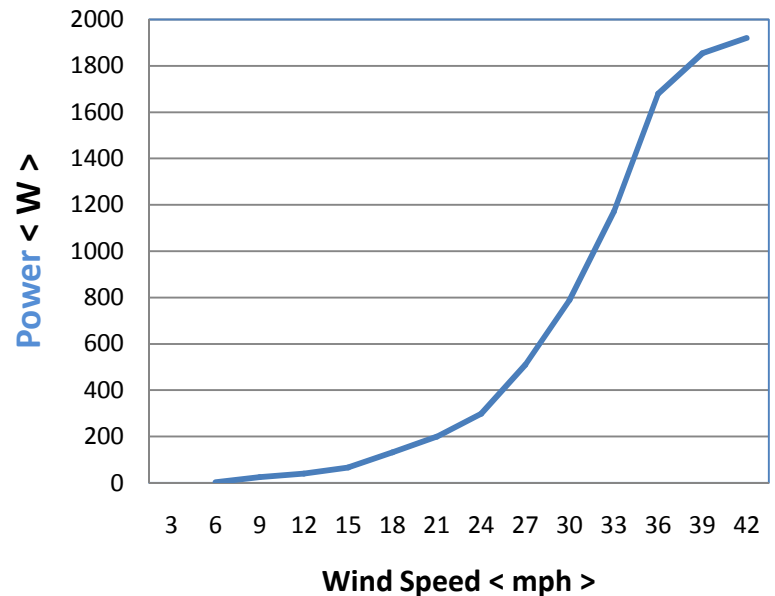
INVERTER*

Rated Voltage	120/220 VAC
Rated Frequency	60 Hz
Rated Power	3.6 kW
Brake	Built-in

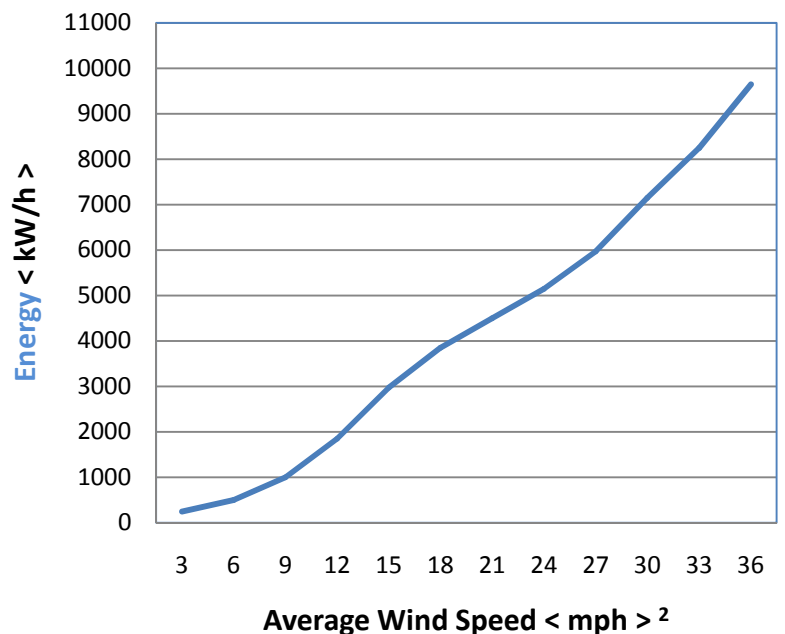
AEROTECHTURE



Turbine Output Power



Estimated Energy per Year¹



*Electronics are specific for a battery free grid tie system. Other applications are available.

¹ Based on comparable VAWT performance and Aerotecture field data.

² Wind Gusts and Gust Duration can dramatically alter turbine performance.