



Specifications for Products in Development

Rated Capacity	1.2 kW (Improved)	1.2 kW Low Wind	3 kW	3 kW Low Wind
Type	Giromill	Giromill	Giromill	Giromill
Annual Energy Production	2500 kWh at 12 mph average wind	4000 kWh at 12 mph average wind	5400 kWh in 12 mph average wind	8200 kWh in 12 mph average wind
Amps	13	13	40	40
Power	120, 220 VAC or 12-48 VDC	120, 220 VAC or 12-48 VDC	120, 220 VAC or 12-48 VDC	120, 220 VAC or 12-48 VDC
Cut in Wind Speed	8mph	8mph	9 mph	9 mph
Rated Wind speed	25 mph (11 m/s)	20 mph (9 m/s)	25 mph (11 m/s)	20 mph (9 m/s)
Survival Wind Speed	105 mph (47 m/s)	80 mph (35 m/s)	105 mph (47 m/s)	80 mph (35 m/s)
Tip Speed Ratio	2.3	2.3	2.3	2.3
Rated speed	400 RPM	300 RPM	200 RPM	133 RPM
Weight	600 lbs (272 kg)	625 lbs (285 kg)	1000 lbs (455 kg)	1120 lbs (509 kg)
Minimum Height	30 feet (9.1 m)	30 feet (9.1 m)	30 feet (9.1 m)	30 feet (9.1 m)
Rotor Dimensions	4 ft x 20 ft (1.2 m x 6.1 m)	6 ft x 20 ft (1.83 m x 6.1 m)	8 ft x 20 ft (2.43 m x 6.1 m)	12 ft x 20 ft (3.66 m x 6.1 m)
Swept Area	80 sq ft (7.43 sq m)	120 sq ft. (11.2 sq m)	160 sq ft. (14.9 sq m)	240 sq ft. (22.3 sq m)
Sound	6 dB above ambient @ 6 ft, 15 mph winds	6 dB above ambient @ 6 ft, 15 mph winds	6 dB above ambient @ 6 ft, 15 mph winds	6 dB above ambient @ 6 ft, 15 mph winds
Generator	Air core Brush less PM	Air core Brush less PM	Air core Brush less PM	Air core Brush less PM
Inverter	Integrated Grid Tie or DC version	Integrated Grid Tie or DC version	Integrated Grid Tie or DC version	Integrated Grid Tie or DC version
Life	20 years	20 years	20 years	20 years
Warranty	5 years	5 years	5 years	5 years
Maintenance	none	none	none	none

Other variations

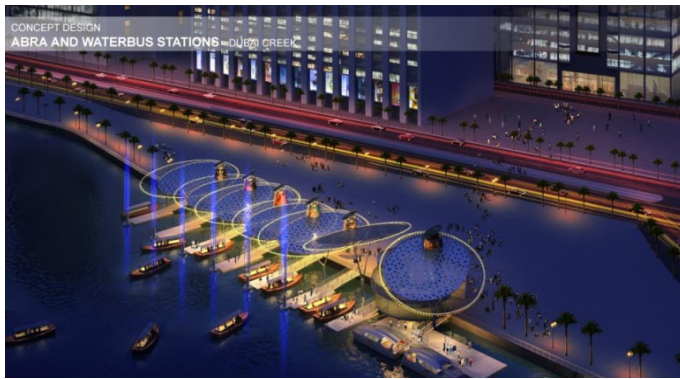
- Pole extensions to get into higher winds, and shorter poles and rotors for high stress locations are also available
- Off-Grid DC, 240 V International, and 3 Phase variations on all styles are in development



PUC Building, San Francisco



Adobe Campus, San Jose



Dubai Waterbus Station



Oakland County Airport



Devon Bank, Chicago



Solar-Wind Street Lamps