

Reliable performance in demanding environments

AIR Breeze provides energy you can count on in challenging conditions. This field-proven unit is engineered for battery-charging applications in Coastal to Desert to Arctic environments. It delivers the energy you need for communications, offshore structures, sailing or remote monitoring, just to name a few. With optimized electronic controls, AIR Breeze provides energy quietly and efficiently.



Corrosion resistant, aircraft quality paint with a marine grade O-ring seal and stainless steel fasteners, ensuring durability in challenging conditions



Pair with solar PV for redundant energy production year-round



Lightweight design is simple and easy-to-install; integrated controller for plug-and-play operation



Produces 40 kWh of energy per month* - generating energy in a wide range of wind speeds

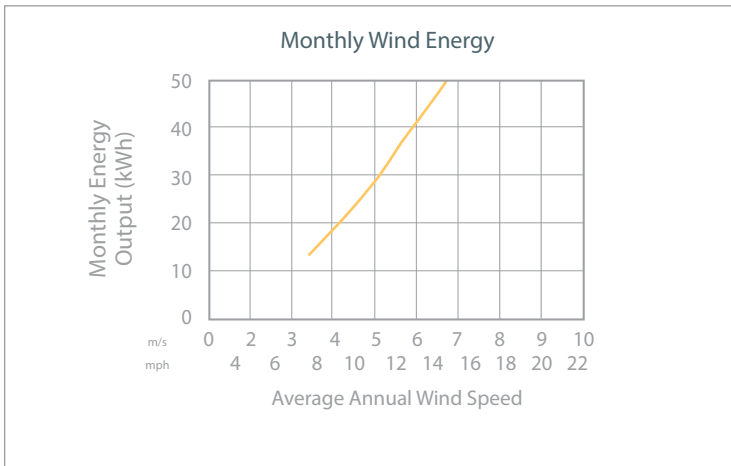


Advanced microprocessor technology for superior performance and high wind protection without mechanical braking



*Assuming average wind speed of 5.8 m/s (13 mph). Actual performance varies with wind speed, tower height and site conditions.

AIR Breeze



Technical Specifications

| | |
|----------------------------|--|
| Energy | Approx. 40 kWh/mo at 5.8 m/s (13 mph) |
| Swept Area | 1.07 m ² (11.5 ft ²) |
| Rotor Diameter | 1.17 m (46 in) |
| Weight | 5.9 kg (13 lb) |
| Shipping Dimensions | 686 x 318 x 229 mm (27 x 12.5 x 9 in) 7.7 kg (17 lb) |
| Startup Wind Speed | 3.13 m/s (7 mph) |
| Voltage | 12, 24 and 48 VDC |
| Turbine Controller | Mircoprocessor-based smart controller |
| Body | Cast aluminum with corrosion resistant paint |
| Blades | (3) Injection-molded composite |
| Alternator | Permanent magnet brushless |
| Overspeed Protection | Electronic torque control |
| Survival Wind Speed | 49.2 m/s (110 mph) |
| Mount ² | 1.5 in schedule 40 pipe 48 mm (1.9 in) outer diameter |
| Wind Speed Operating Range | 3.1-22 m/s (7-49 mph) |
| Optimum Wind Speed Range | 4.5-22 m/s (10-49 mph) |

1. Estimate based on manufacturer test data. Third party testing to IEC standards pending.
2. Primus Windpower offers a range of tower options specifically designed to work with AIR products.

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FIVE-YEAR LIMITED WARRANTY

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