

The proven choice for remote energy

AIR 40 is the premier micro-wind turbine for land-based applications. It operates efficiently across a wide range of wind speeds, providing energy for telecom, water pumping, lighting, SCADA, off-grid homes, or other low energy demand battery charging applications. The AIR 40 is ideal for pairing with solar to offset seasonal variations, delivering more consistent energy.



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



Blades designed for quieter operation, durability and optimum energy capture in most wind speeds



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



Pair with solar PV for redundant energy production year-round

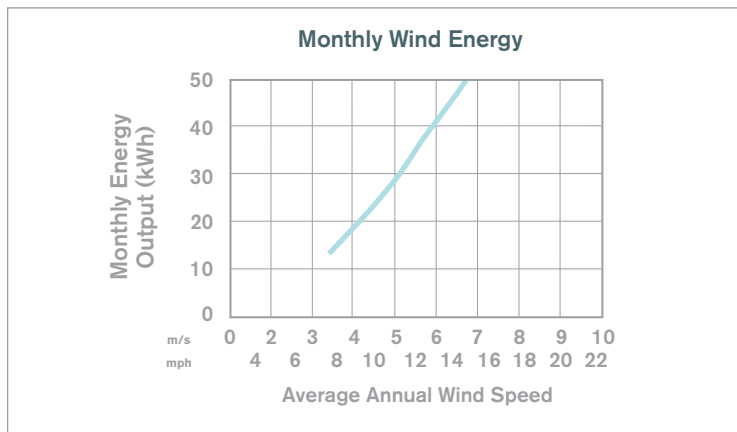


Produces 40 kWh of energy per month* – generating energy in a wide range of wind speeds



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

AIR 40



Technical Specifications

Energy	Approx. 40 kWh/mo at 5.8 m/s (13 mph) ¹
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	3.1 m/s (7 mph)
Voltage	12, 24 and 48 VDC
Turbine Controller	Microprocessor-based smart controller
Body	Permanent mold cast aluminum
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. Southwest Windpower offers a range of tower options specifically designed to work with AIR products.



aiR 40™

FIVE-YEAR LIMITED WARRANTY

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