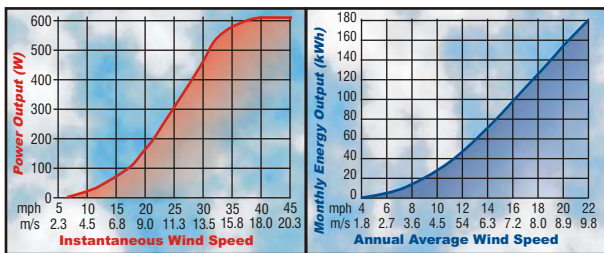


Performance Curves



Specifications

Rotor Diameter:	46" (1.15 meters)
Weight:	13 lbs. (5.85 kg)
Mount:	1.5" (1.9" OD, 48 mm) SCHED 40 pipe
Start up wind speed:	7 mph (2.7 m/s)
Voltage:	12, 24, 48 VDC
Rated Output:	400 watts at 28 mph (12.5 m/s)

Features: Unprecedented 3 Year Warranty

- Exclusive new Autobrake™ slows the blades to a silent spin
- Electronics are directly heat-sunk to the body casting for increased reliability and output
- Brushless permanent magnet alternator
- High quality aluminum body castings
- Variable pitch aerolastic carbon fiber blades
- Maintenance free - only two moving parts
- Best cost per watt value of any wind turbine



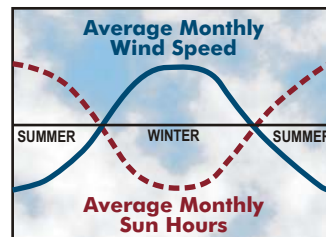
Considering Wind?

The **AIR** is a low cost solution to ensure your batteries stay charged on those cloudy-windy days.

The combination of solar and wind make the **AIR** beneficial even in low wind sites.

Ideal for those windy winter periods when the sun is at its lowest.

Seasonal Energy Resources



Benefits of Wind/PV Hybrid:

- More consistent power supply
- Lower total system cost
- Smooths out seasonal weather fluctuations
- Reduced "deep-cycling" of batteries
- Extended battery life

"The main use of our Air Wind Module is to supplement my solar panels during the winter when there is lots of wind and no sun."

- Cohasset, California, USA

"It was more cost effective to add a wind generator than add more panels."

- Prescott, Arizona, USA

"Amazing performance for such a small machine."

- Napier, New Zealand

Southwest Windpower
Renewable Energy Made Simple

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Tel 520-779-9463 • Fax 520-779-1485
www.windenergy.com • E-mail info@windenergy.com

AIR POWER



AIR 403

*An all new design
that once again
redefines how the
world looks at wind...*

A revolution in wind!

Just a few years ago, we introduced a new concept in battery charging wind turbines. In only four years, over 18,000 *AIRs* have been installed in 150 countries.

When it comes to conventional thinking of wind turbine design and installation, the *AIR* breaks all the rules. With an *AIR*, you don't have to spend a fortune on lengthy wind data collection, heavy-duty towers, costly installation and scheduled maintenance.

Simple to use:

- ↪ Automatic regulation and operation
- ↪ As convenient as a solar panel
- ↪ Can be installed in a few hours
- ↪ Only two moving parts
- ↪ Requires no maintenance
- ↪ Only 13 lbs!



An *Air 403* pairs with a PV system to supply a consistent supply of power for battery charging.

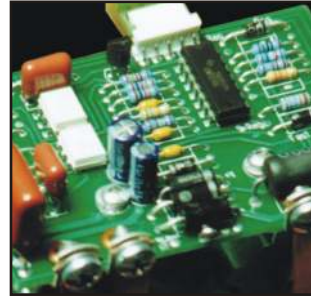
All new *AIR 403*

Now, the *AIR 403* has more power, greater efficiency, high reliability and quieter operation all in the same size turbine.

PERFORMANCE –

An airfoil so advanced it approaches the theoretical limits of efficiency.

Combined with the new airfoil, the *403's* alternator uses new arced magnets and windings that increase rated power by 30% and 50% in low winds.



CONTROL –

Unlike any other wind turbine design, the exclusive Autobrake™ regulator automatically slows the blades to a silent spin when the batteries are charged!

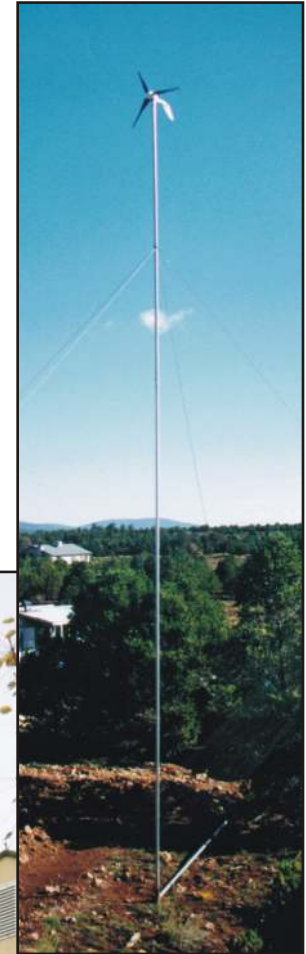
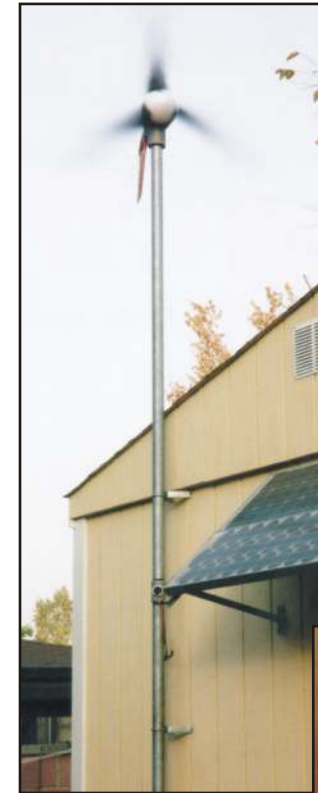
REFINEMENT –

The new body now incorporates a large heat sink that efficiently flows heat into the wind for cooler operation and increased output. A new casting process refines the fit and finish. The improved design doubles tip-to-tower clearance for greater reliability in high winds.



Tower Kits

The flexible design of the *AIR* allows it to be installed just about anywhere. These new low cost tower kits add a new meaning to simple installation.



Call your dealer or Southwest Windpower for complete information on towers and accessories.