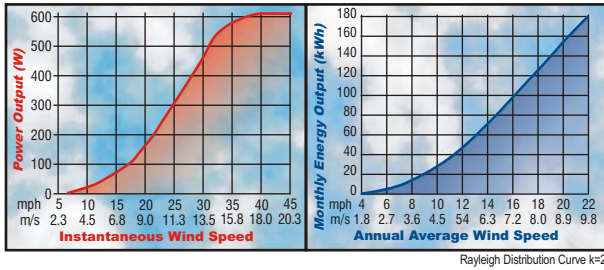


## Performance Curves



## 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



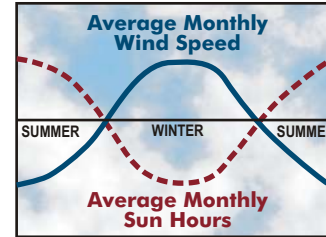
## Considering Wind?

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

INTERLINK POWER SYSTEM PTE LTD  
Tel (65)64841406 • Fax (65)64841405  
E-mail interlin@singnet.com.sg

# 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.

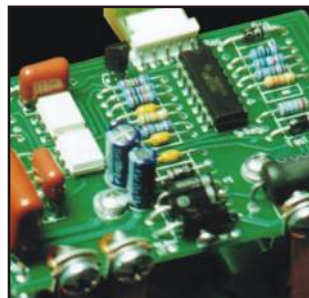
# All new *AIR 403*

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!

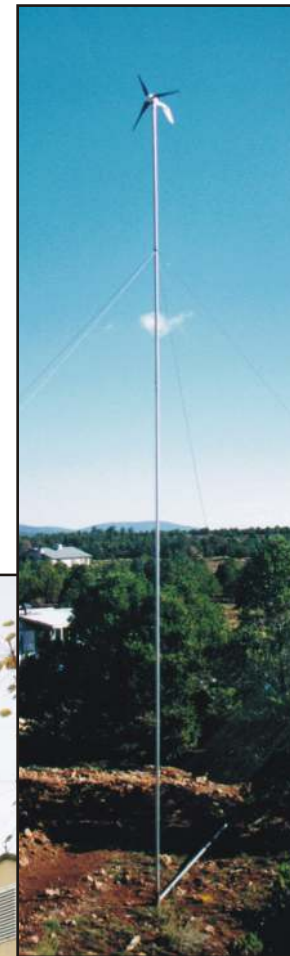
## REFINEMENT –

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.