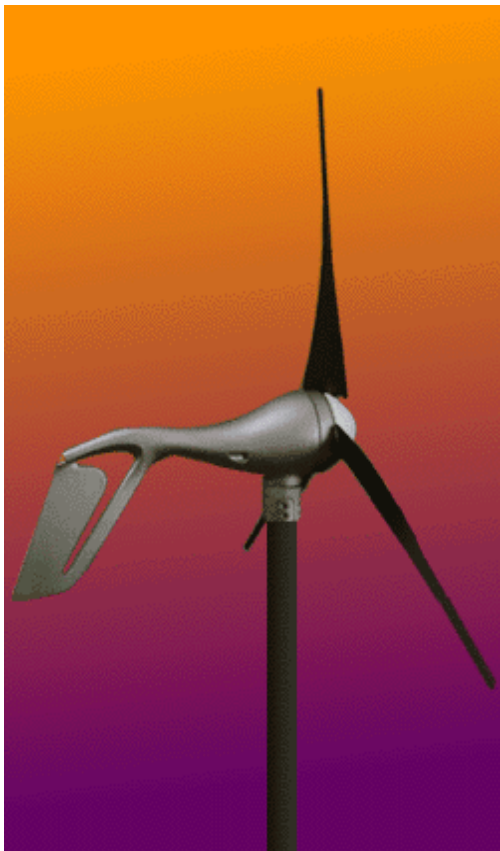


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# Wind Generators

e-Marine, Inc.

## *AIR marine wind generator*

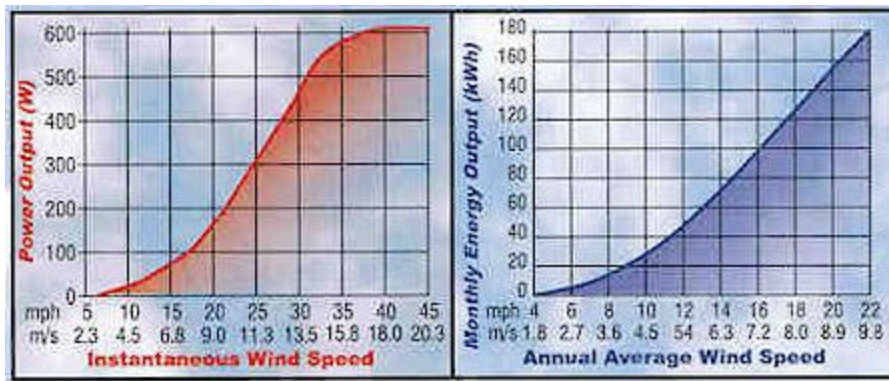


In 1995, Southwest Windpower designed a new generation battery-charging wind turbine, the AIR WIND MODULE™. "A **brave new technology designed to make wind as simple as photovoltaics.**" The AIR 303 wind module™ quickly became the world's best selling wind turbine, selling over 18,000 units. Now it's even better.

The new AIR 403 improves on the revolutionary features of the original wind module. The stronger all carbon fiber reinforced blades and advanced airfoils achieve higher output and reduced noise. The passive-pitch speed-control system has no moving parts. The new alternator and more efficient windings enable the new 403 to deliver 400 watts at 28 mph and 20 kWh per month in a 9 mph average wind speed.

The state-of-the-art internal circuitry still incorporates safety features only possible with internal control and is now so intelligent it automatically slows the blades to a silent spin once the batteries are charged, then automatically restarts when the batteries need power.

The AIR 403 is modular to grow with your power needs, simple to install and requires no maintenance. **At the prices listed below, it is easier than ever to own the most most advanced wind turbine.**



### Features Unprecedented 3 YEAR WARRANTY

- Sophisticated internal charge controller - Externally adjustable for any type of battery
- Variable pitch aerolastic carbon matrix blades
- Marine quality powdercoated aluminum body for maximum corrosion resistance and durability
- Brushless neodymium cubic curve alternator
- Safety protection electronics controls voltage and rotor RPM
- Operates in hurricane winds without attention
- Maintenance-free - Only two moving parts

### Applications

- Sailboats
- Recreational vehicles (RV)
- Seaside homes
- Buoys
- Naval platforms
- Oil rig platforms

### Specifications

Rotor Diameter:	46" (1.15 meters)
Weight:	13 lbs (6 kg)
Mount:	1.5" (1.9" O.D.) SCHED 40 pipe (47 mm)
Start up windspeed:	6 knots (2.7 m/s)
Voltage:	12 and 24 volts (Inquire for others.)
Output:	over 400 watts at 25 knots (12.5 m/s)

**AIR** is the number one selling battery charging wind turbine in the world. **AIR** brings together advanced brushless alternator technology, state-of-the-art blades, and exclusive built-in regulation in an elegant die-cast aluminum body. A new casting process refines the fit and finish. The new body design doubles the tip-to-tower clearance for greater reliability

in high winds.

**BLADES:** The new **AIR 403's** blades are made of carbon fiber reinforced composite. The new charge controller now regulates blade speed so they slow to as silent spin in high winds when the batteries are charged. The new 403 blades will fit the 303 model. The new blades approach the theoretical limits of efficiency.

**ALTERNATOR:** The **AIR's** alternator is optimized to match as close as possible the energy available in the wind. It is constructed with Neodymium Iron Boron permanent magnets and is brushless for superior performance and maintenance-free operation.

**REGULATION & CONTROL ELECTRONICS:** The electronics performs several functions to assure maximum output and safety for the user. The control electronics maintains a load on the alternator at all times to make sure that the turbine never over speeds, regardless of the condition of the battery. As the battery is charged, the sophisticated regulator periodically checks the line, correcting for voltage loss and monitoring charge rate. Once the battery has reached its optimum charge level the regulator shuts the current off, preventing the battery from being overcharged while maintaining a load on the alternator at all times to prevent over speeding.

In just over three years, over 18,000 **AIR** and **AIR marine** wind modules have been sold, making it the number one selling turbine in the world.

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**To order on line using secure credit card processing -  
Enter quantity desired and click "Add to Shopping Cart" button.**

**The Air Marine is available in 12 or 24 volt versions. Features a 3 year warranty.**

<p><b>Air Marine Special</b>  <b>Complete 12 Volt AIR Marine Kit</b>  <b>Includes Air Marine, aluminum tower and vibration absorbing mounting kit</b>  <b>List price: \$1299.00 Special: \$1094.00</b></p>	<p>P/N 01121  <b>e-Marine price: \$1094.00</b>  <input type="text"/> Qty.  <span style="background-color: #cccccc; padding: 2px 10px;">Add to Shopping Cart</span></p>
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<p><b>Air Marine 403 with mizzen mast mount</b>  <b>Complete 12 or 24 Volt AIR Marine Kit</b> <a href="#">View Mount</a>  <b>Includes Air Marine 403 with mizzen mount and stop switch</b></p>	<p>P/N 01125  <b>e-Marine price: \$1295.00</b>  <input type="text"/> Qty.  <span style="background-color: #cccccc; padding: 2px 10px;">Add to Shopping Cart</span></p>
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**12 Volt AIR Marine wind generator**  
**List price: \$845.00 Special: \$749.00**

**P/N 76006**  
**e-Marine price: \$749.00**  
 Qty.

Add to Shopping Cart

**24 Volt AIR Marine wind generator**  
**List price: \$845.00 Special: \$749.00**

**P/N 76007**  
**e-Marine price: \$749.00**  
 Qty.

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**Optional Tower Kit for AIR marine**  
**The 9' mast has an outside diameter of 1.9" (1.5" schedule 40 pipe)**  
**Two 9' stays with an outside diameter of 1"**  
**Mast and stays are white powder-coated aluminum**  
**All hardware stainless steel with self-locking nuts**

**P/N 76118**  
**Price: \$185**  
 Qty.

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**Mounting hardware**  
**Built-in vibration dampening mounts**  
**Tilting mast base for easy installation**  
**Designed to withstand hurricane force winds**

**P/N 01122**  
**Price: \$159.00**  
 Qty.

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**Stop Switch - 50 Amp for Air Marine**

**P/N 01129**  
**Price: \$20.00**  
 Qty.

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**Circuit Breaker - 100 Amp for 12 volt Air Marine**

**P/N 01130**  
**Price: \$38.00**  
 Qty.

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**Replacement Blades for AIR Marine**

**P/N 01123**  
**Price: \$95.00**  
 Qty.

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**We accept credit cards**  

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