



## Wind Energy Systems from **ABUNDANT RENEWABLE ENERGY**

- Maximizing Energy by Maximizing Efficiency
- Direct Grid Connect without Batteries
- Battery Charging Systems
- The Most Powerful Blades,  
Most Efficient Alternators, and  
Most Sophisticated Controls
- Quiet, Consistent, Reliable



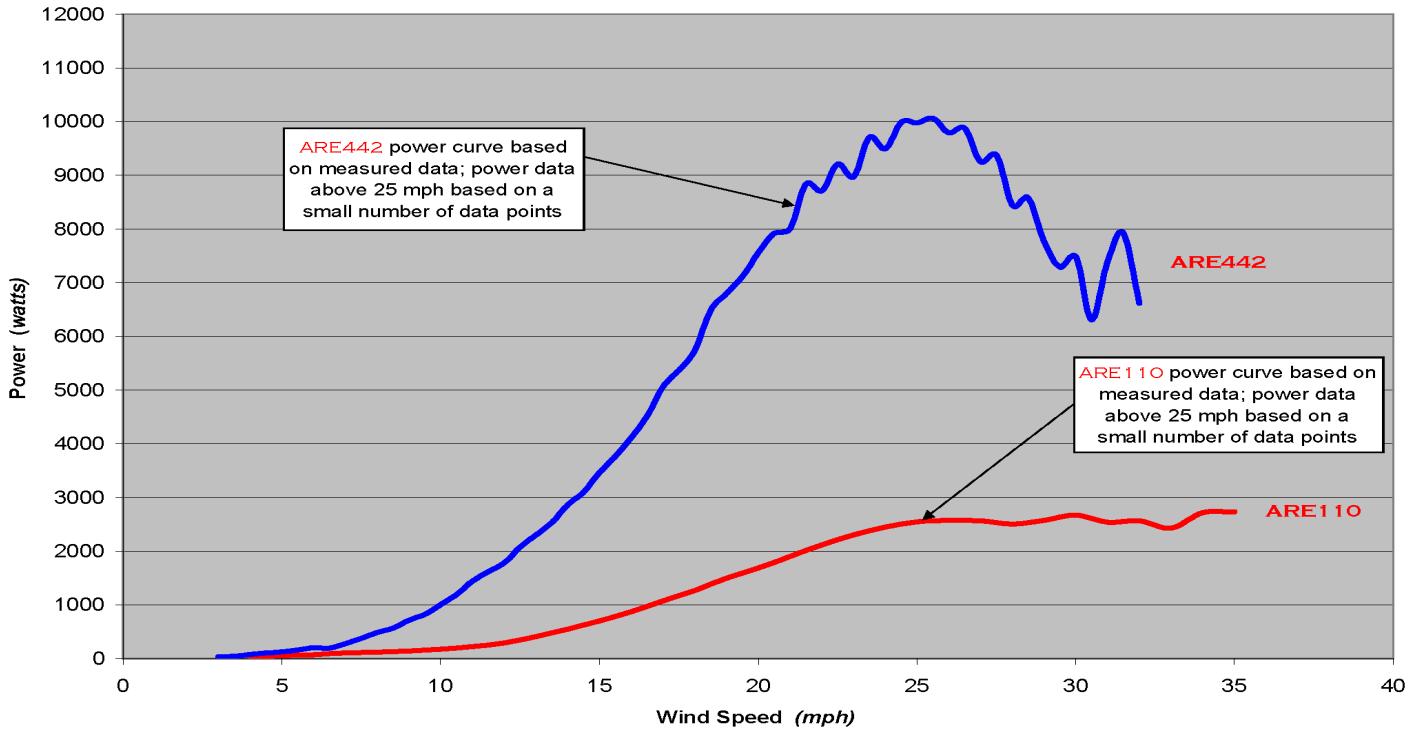
Website: [WWW.ABUNDANTRE.COM](http://WWW.ABUNDANTRE.COM)

Phone: (503)-538-8298 Email: [INFO@ABUNDANTRE.COM](mailto:INFO@ABUNDANTRE.COM)

	<u>ARE110</u>	<u>ARE442</u>
<b>Specifications:</b>		
Rotor Diameter	3.6 meters (11.8 feet)	7.2 meters (23.6 feet)
Swept Area	10.1m <sup>2</sup> (110 sq. ft.)	41m <sup>2</sup> (442 sq. ft.)
Configuration	3-blade upwind w/ side furling	3-blade upwind w/ side furling
Rated Power	2.5kW	10kW
Cut-In Wind Speed	2.5 m/sec (6 mph) estimate	2.5 m/sec (6 mph) estimate
Rated Wind Speed	11 m/sec (25 mph)	11 m/sec (25 mph)
Alternator	Neodymium magnet, 3-phase	Neodymium magnet, 3-phase
Voltage Options	48V & Grid-connect	48V & Grid-connect
Tower-Top Weight	315 lbs.	1,650 lbs.
<b>Prices:</b>		
<b>Wind Energy Systems</b>		
Made in U.S.A		
<b>Grid-Connect</b> Without batteries	<b>\$12,650.</b> - Includes wind turbine w/ slip rings, WB 3300U (3.3kW) inverter, voltage clamp, & diversion load - all with 5-year warranty	<b>\$39,600.</b> - Includes wind turbine w/ slip rings, (2) WB 6000US (6kW) inverters, voltage clamp, & div. load - all with 5-year warranty
<b>48V Battery-Charging</b>	<b>\$11,800.</b> - Includes wind turbine w/ slip rings, charge controller, voltage clamp, & diversion load - all with 5-year warranty	
<b>Towers</b> <span style="color: red;">Made in U.S.A.</span> (sold separately)		
<b>Guyed, Tilt-up Pipe Towers for ARE110 Wind Generators</b>		
4" galv'd Schedule-40 pipe	<u>With Pipe</u>	<u>Without Pipe</u>
43 feet	\$2,750	\$1,700
64 feet	\$3,650	\$2,400
85 feet	\$4,425	\$2,600
106 feet	\$5,500	\$3,000
Other Tower Styles include: 5" Tilt-Up Model; Free-Standing Lattice, & Monopole	Contact ARE for prices	
ARE442 Tower Prices Available upon Request		
<b>Accessories</b> (for Purchase a la Carte)		
LPS110	Lightning Protection System for ARE110	<b>\$2,500</b> - Required for lightning related warranty coverage
LPS442	Lightning Protection System for ARE442	<b>\$3,500</b> - Required for lightning related warranty coverage
Marinization of	ARE110	<b>\$1,700</b>
Marinization of	ARE442	<b>\$4,000</b>
SMA Inverters	Contact ARE for prices	
Voltage Clamps™	Contact ARE for prices; custom Voltage Clamps™ avail.	
Electric Winch Kit (For ARE110 Tilt-up Towers)	<b>\$2,625</b>	

**For more information, please contact us:** Telephone: (503) 538-8298  
 Email: [info@AbundantRE.com](mailto:info@AbundantRE.com)  
 Website: [www.AbundantRE.com](http://www.AbundantRE.com)

## ARE Wind Generators Power Curves



## ARE Wind Generators Monthly Energy Estimates

