

# aiR<sup>TM</sup> COMPLETES ANY OFF GRID SYSTEM

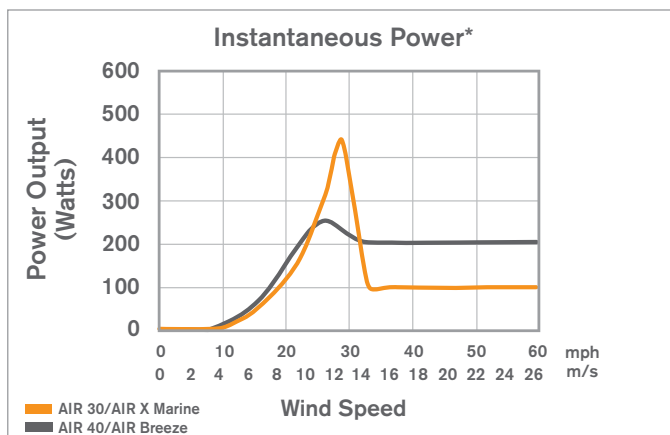
- ✓ SIMPLE, AFFORDABLE, RELIABLE POWER
- ✓ EASILY INTEGRATES WITH PV
- ✓ MAXIMUM POWER IN WINTER
- ✓ NIGHT TIME POWER PRODUCTION
- ✓ OVER 150,000 UNITS INSTALLED SINCE 1995



# TURBINE SPECIFICATIONS

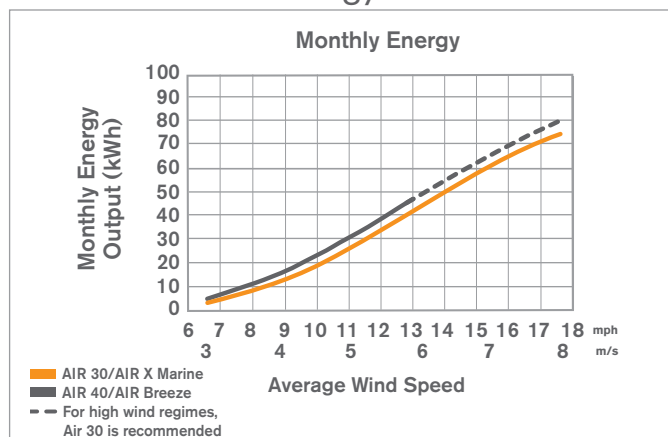


## AIR Power Curve



\*Factors affecting turbine output include site turbulence, elevation and air temperature

## AIR Energy Curve



## Technical Specifications

| AIR BREEZE/AIR 40/AIR 30/AIR X MARINE |                                                                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy                                | <b>AIR 40/AIR Breeze:</b> Approx. 40 kWh/mo at 5.5 m/s (12 mph)<br><b>AIR 30/AIR X Marine:</b> Approx. 30 kWh/mo at 5.5 m/s (12 mph)                              |
| Optimal Operating Environment         | <b>AIR 40/AIR Breeze:</b> Quiet operation in low to moderate wind regimes<br><b>AIR 30/AIR X Marine:</b> Industrial applications in moderate to high wind regimes |
| Swept Area                            | 1.07 m <sup>2</sup> (11.5 ft <sup>2</sup> )                                                                                                                       |
| 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)<br>7.7 kg (17 lb)                                                                                                           |
| Startup Wind Speed                    | <b>AIR 40/AIR Breeze:</b> 3.13 m/s (7 mph)<br><b>AIR 30/AIR X Marine:</b> 3.58 m/s (8 mph)                                                                        |
| Voltage                               | 12, 24 and 48 VDC                                                                                                                                                 |
| Turbine Controller                    | Mircoprocessor-based smart controller                                                                                                                             |
| Body                                  | Cast aluminum ( <b>AIR Breeze/AIR X Marine:</b> corrosion resistant paint)                                                                                        |
| Blades                                | (3) Injection-molded composite                                                                                                                                    |
| Alternator                            | Permanent magnet brushless                                                                                                                                        |
| Overspeed Protection                  | Electronic torque control                                                                                                                                         |
| Survival Wind Speed                   | 49.2 m/s (110 mph)                                                                                                                                                |
| Mount                                 | 1.5 in schedule 40 pipe<br>48 mm (1.9 in) outer diameter                                                                                                          |
| Warranty                              | 5 year limited warranty                                                                                                                                           |

## Applications

|                       | AIR 30<br>AIR X Marine | AIR 40<br>AIR Breeze |
|-----------------------|------------------------|----------------------|
| REMOTE HOMES          |                        | ✓                    |
| MARINE AND SAILBOATS  |                        | ✓                    |
| RECREATIONAL VEHICLES |                        | ✓                    |
| RAILROAD              | ✓                      |                      |
| TELECOMM              | ✓                      |                      |
| OIL AND GAS           | ✓                      |                      |
| SCADA SYSTEMS         | ✓                      |                      |
| LIGHTING SYSTEMS      |                        | ✓                    |
| CATHODIC PROTECTION   | ✓                      |                      |
| COASTAL APPLICATIONS  | ✓                      |                      |

## Towers and Accessories

29' EZ TOWER KIT (PIPE INCLUDED)

27' GUYED TOWER KIT (PIPE NOT INCLUDED)

45' GUYED TOWER KIT (PIPE NOT INCLUDED)

33' MONOPOLE TOWER

36" AND 48" GALVANIZED AUGERS

9' MARINE TOWER KIT

MARINE TOWER HARDWARE KIT