Quiet, reliable off-grid energy

AIR 40 is the best choice to provide energy for off-grid homes, water pumping, lighting, telecom and anywhere you need electricity and have wind. AIR 40’s optimized electronic controls deliver energy quietly and efficiently. Extensive third party testing and certification shows more consistent output than the competition. AIR 40 is part of the latest generation of AIR products—the world’s best-selling wind turbines—with more than 135,000 units sold in more than 120 countries.
**Technical Specifications**

- **Energy**: Approx. 40 kWh a month at 13.4 mph (6.0 m/s)
- **Swept Area**: 11.5 ft² (1.07 m²)
- **Rotor Diameter**: 46 in (1.17 m)
- **Weight**: 13 lb (5.9 kg)
- **Shipping Dimensions**: 27 x 12.5 x 9 in (686 x 318 x 229 mm)
  17 lb (7.7 kg)
- **Startup Wind Speed**: 7 mph (3.1 m/s)
- **Voltage**: 12, 24 and 48 VDC
- **Turbine Controller**: Microprocessor-based smart internal regulator.
- **Body**: Permanent mold cast aluminum
- **Blades**: (3) Injection-molded composite
- **Alternator**: Permanent magnet brushless
- **Overspeed Protection**: Electronic torque control
- **Survival Wind Speed**: 110 mph (49.2 m/s)
- **Mount**:
  - 1.5 in schedule 40 pipe
  - 1.9 in (48 mm) outer diameter

---

**LIFETIME LIMITED WARRANTY**

**TECHNICAL SUPPORT WORLDWIDE**

**Proven, solid performance**

We recommend AIR 40 for small battery-charging applications: remote homes, telecom, industry, lighting and more. The AIR 40 is an ideal wind turbine for hybrid systems with solar to offset those cloudy or wintery periods. AIR 40 is built and backed by the worldwide leader in small wind.

- Advanced microprocessor for reliable energy production
- Integrated overcharge protection eliminates additional equipment
- Composite blades for durability and optimum wind capture
- Permanent mold cast aluminum body
- High-quality, field tested components
- Quiet operation
- Lightweight; unique design is simple and easy to install
- Energy in light winds
- Plug and play battery connection
- For use in non-corrosive environments

---

**POWER ALL OF THIS WITH AIR 40**

<table>
<thead>
<tr>
<th>Watt Hours/Day</th>
<th>433</th>
<th>767</th>
<th>1200</th>
<th>1667</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Annual Wind Speed</td>
<td>8 (3.6)</td>
<td>10 (4.4)</td>
<td>12 (5.4)</td>
<td>14 (6.3)</td>
</tr>
</tbody>
</table>

**MONTHLY ENERGY (KWH)**

<table>
<thead>
<tr>
<th>Average Annual Wind Speed</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal 12.5 voltage</td>
<td>333</td>
<td>433</td>
<td>533</td>
<td>633</td>
</tr>
</tbody>
</table>

1. Estimate based on manufacturer test data. Third party testing to IEC standards pending.
2. Southwest Windpower offers a range of tower options specifically designed to work with AIR products.