Making renewable energy fun

AIR 30 is the best choice for reliable energy for small cabins, RVs, camping, garden lighting and hobbies. AIR 30’s optimized software delivers reliable energy. Extensive third party testing and certification shows more consistent output than the competition. AIR 30 is part of the latest generation of AIR products—the world’s best-selling wind turbines—with more than 135,000 units sold worldwide.
Solid performance for work or fun

We recommend AIR 30 for small battery-charging applications such as small cabins, RVs, camping, garden lighting, education, hobbies and more. The AIR 30 is an ideal wind turbine for hybrid systems with solar. AIR 30 is built and backed by the worldwide leader in small wind.

- Advanced microprocessor for reliable energy production
- Integrated overcharge protection
- Permanent mold cast aluminum body
- High-quality, field tested components
- Quiet operation
- Lightweight; easy to install
- Plug and play battery connection
- For use in non-corrosive environments

### Technical Specifications

**Energy**
- Approx. 30 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 (5.90 kg)

**Shipping Dimensions**
- 27 x 15 x 9 in (686 x 38 x 228 mm)
- 17 lb (7.7 kg)

**Start-Up Wind Speed**
- 8 mph (3.58 m/s)

**Voltage**
- 12, 24, and 48 VDC

**Turbine Controller**
- Microprocessor-based smart internal regulator

**Body**
- Permanent mold cast aluminum

**Blades**
- (3) Carbon fiber 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 (48.26 mm) OD

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1. Energy projections are based on data collected from the North Carolina Small Wind Initiative/Appalachian State University Small Wind Research and Demonstration Facility, Beech Mountain, NC, USA.
2. Southwest Windpower offers a range of tower options specifically designed to work with AIR products.

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POWER ALL OF THIS WITH AIR 30

<table>
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<tr>
<th>Watt Hours/Day</th>
<th>333</th>
<th>667</th>
<th>1067</th>
<th>1600</th>
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<tbody>
<tr>
<td>Average Annual Wind Speed [mph]</td>
<td>8.9</td>
<td>11.2</td>
<td>13.4</td>
<td>15.7</td>
</tr>
<tr>
<td>Nominal 12.5 voltage</td>
<td>(4)</td>
<td>(5)</td>
<td>(6)</td>
<td>(7)</td>
</tr>
</tbody>
</table>

MONTHLY ENERGY (KWH)

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<th>Average Annual Wind Speed [mph]</th>
<th>4.5</th>
<th>6.7</th>
<th>8.9</th>
<th>11.2</th>
<th>13.4</th>
<th>15.7</th>
<th>17.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal 12.5 voltage</td>
<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
<td>(6)</td>
<td>(7)</td>
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</tr>
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