BERGEY EXCEL 15

Performance*
- AWEA RATED POWER: 15.6 kW
- AWEA ANNUAL ENERGY: 30,100 kWh
- PEAK POWER: 21.8 kW
- CUT-IN WIND SPEED: 7 mph (3 m/s)
- START-UP WIND SPEED: 10 mph (4.5 m/s)
- CUT-OUT WIND SPEED: None
- MAX DESIGN WIND SPEED: 134 mph (60 m/s)
- ROTOR SPEED: 0–140 rpm
*preliminary, pre-certification

Specifications
- ROTOR DIAMETER: 31.5 ft. (9.6 m)
- WEIGHT: 1,400 lb. (640 kg)
- GEARBOX: None
- OVER SPEED PROTECTION: Blade Stall
- TEMPERATURE RANGE: -40/140° F (-40/60° C)
- TOWERS: Guyed and Non-guyed 80–160 ft. (18–49 m)
- INVERTER: 20 kW Powersync III, with dump load

Annual Energy Output*

<table>
<thead>
<tr>
<th>Year</th>
<th>Yearly Energy Production (kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>23,200</td>
</tr>
<tr>
<td>2011</td>
<td>28,700</td>
</tr>
<tr>
<td>2012</td>
<td>36,000</td>
</tr>
<tr>
<td>2013</td>
<td>42,000</td>
</tr>
<tr>
<td>2014</td>
<td>49,600</td>
</tr>
<tr>
<td>2015</td>
<td>55,600</td>
</tr>
<tr>
<td>2016</td>
<td>62,900</td>
</tr>
</tbody>
</table>

*preliminary, pre-certification

Powersync III Inverter
(20 kW)
BERGEY EXCEL 15
Advanced Technology – Superior Economics

Powerful. Super Efficient. Quiet. The Bergey Excel 15 is ideal for agricultural properties, larger rural homes, small businesses, public facilities, and electric car charging.

Breakthrough Affordability:
• Affordable alternative to imported solar
• Greater savings
• Shorter paybacks
• Works in lower wind areas
• American-made
• Supports conversion to total-electric
• Tax credits and grants available

Advanced Technology:
• Extra-large high-efficiency rotor for increased energy capture
• Active speed control
• Direct-drive alternator
• Only two moving parts
• 20 kW Powersync III inverter
• Remote monitoring

The Excel 15 benefits from 40 years of experience from the world’s leading supplier of small wind turbines.

PROUDLY MADE
IN THE USA

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