



Original Certification: 11/16/2011
Expiration Date: 11/16/2018
Certification must be renewed annually.

Certification Number: **SWCC-10-12**

This Certificate is issued to:

Bergey Windpower Company
2200 Industrial Boulevard
Norman, OK 73069, USA
www.bergey.com

For the wind turbine model:

Excel 10

This Certificate represents that the above-identified Small Wind Turbine (SWT) is in conformance with the AWEA *Small Wind Turbine Performance and Safety Standard* (AWEA Standard 9.1 – 2009).

Changes to the Small Wind Turbine system design are to be approved by SWCC. If changes are made to the SWT without approval, this Certificate is not valid and is not in effect.

The wind turbine specifications relevant to this Certificate are provided on the following page.

Shawn Martin

Director of Technical Services



Please verify certification is active on the SRCC website.

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Wind Turbine Specification:

Turbine parameters

| | |
|--------------------------|--|
| Manufacturer | Bergey Windpower Co. |
| Model | Excel 10 |
| Power Form..... | 240 VAC, 1-phase, 60 Hz |
| Rotor Diameter | 7.0 m |
| Rotor Swept Area | 38.5 m ² |
| Cut-In Wind Speed | 2.5 m/s |
| Cut-Out Wind Speed | N/A |
| Maximum Power..... | 12,689 W |
| Maximum Voltage..... | 480 VAC to inverter 264 VAC from inverter |
| Maximum Current(s)..... | 40A AC to inverter 55A AC from inverter |

Turbine Ratings

| | |
|---------------------------------------|--------------------|
| AWEA Rated Annual Energy @ 5 m/s..... | 13,800 kWh |
| AWEA Rated Sound Level | 42.9 dB(A) |
| AWEA Rated Power | 8.9 kW @ 11 m/s |
| Peak Power..... | 12.6 kW @ 16.5 m/s |

Design and Duration

Turbine design and duration test comply with AWEA Standard 9.1 – 2009 for an IEC Class II SWT with an average wind speed (V_{ave}) of 8.5 m/s and reference wind speed (V_{ref}) of 42.5 m/s.

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