



SOLAR RATING
& CERTIFICATION
CORPORATION

Original Certification: 02/06/2015

Expiration Date: 02/06/2018

Certification must be renewed annually.

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

This Certificate is issued to:

Xzeres Wind Corporation
9025 SW Hillman Court, Suite 3126
Wilsonville, OR, 97070, USA
www.xzeres.com

For the wind turbine model:

442SR

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	Xzeres Wind Corporation
Model	442SR
Power Form.....	240 VAC, 1-phase, 60 Hz
Rotor Diameter	7.2 m
Rotor Swept Area	40.7 m ²
Cut-In Wind Speed	3.0 m/s
Cut-Out Wind Speed	25 m/s
Maximum Power.....	12,150 W
Maximum Voltage.....	360 VAC to inverter 264 VAC from inverter

Turbine Ratings

AWEA Rated Annual Energy @ 5 m/s.....	16,700 kWh
AWEA Rated Sound Level	48.5 dB(A)
AWEA Rated Power	10.4 kW @ 11 m/s
Peak Power.....	11.3 kW @ 12 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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