SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INTERTEK TESTING SERVICES SHANGHAI
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MECHANICAL

Valid to: August 31, 2024 Certificate Number: 3309.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on wind turbine generator systems and associated components:

Test Technology:	**Test Method(s)[1]:**
Wind Turbine Power Performance Testing[2]	IEC 61400-12-1 Wind Turbines – Part 12-1: Power Performance Measurements of Electricity Producing Wind Turbines; IEC 61400-12-1 Wind Turbines – Part 12-1: Power Performance Measurements of Electricity Producing Wind Turbines 2005; MEASNET Power Performance Measurement Procedure; AWEA 9.1 Small Wind Turbine Performance and Safety Standard; BWEA Small Wind Turbine Performance and Safety Standard; IEC 61400-12-2 Wind Turbines – Part 12-2: Power Performance of Electricity-Producing Wind Turbines Based on Nacelle Anemometry
Wind Turbine Mechanical Loads Measurements[2]	IEC 61400-13: Wind Turbines – Part 13: Measurement of Mechanical Loads; IEC 61400-13: Wind Turbines – Part 13: Measurement of Mechanical Loads 2001
Wind Turbine Acoustic Noise Testing[2]	MEASNET Acoustic Noise Measurement Procedure; AWEA 9.1 Small Wind Turbine and Safety Standard; BWEA Small Wind Turbine Performance and Safety Standard; IEC 61400-11: Wind Turbines – Part 11: Acoustic Noise Measurement Techniques
Wind Turbine Power Quality Testing[2]	IEC 61400-21 Wind Turbines – Part 21: Measurement and Assessment of Power Quality Characteristics of Grid Connected Wind Turbines

Test Technology:	**Test Method(s)[1]:**
Wind Turbine Safety and Function Testing, Test of Turbine Behavior[2]	IEC 61400-1 Wind Turbines – Part 1: Design Requirements; IEC 61400-2 Wind Turbines – Part 2: Design Requirements for Small Wind Turbines, Control and Protection Function Testing; IEC 61400- 22 Wind Turbines – Part 22: Conformity Testing and Certification; AWEA 9.1 Small Wind Turbine Performance and Safety Standard; BWEA Small Wind Turbine Performance and Safety Standard; GL IV Part 1: Germanischer Lloyd, Rules for Regulations IV - Industrial Services, Part 1 – Guideline for the Certification of Wind Turbines
Wind Turbine Duration Testing[2]	IEC 61400-2 Wind Turbines – Part 2: Design Requirements for Small Wind Turbines; IEC 61400-2 Wind Turbines – Part 2: Design Requirements for Small Wind Turbines Edition 2.0 2006; AWEA 9.1 Small Wind Turbine Performance and Safety Standard; BWEA Small Wind Turbine Performance and Safety Standard

[1] When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory may use the previous version for a period of one year after the date of publication of the current version. Reference part C., Section 1 of A2LA policy *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

[2] This laboratory performs field testing activities for these tests.

Accredited Laboratory

A2LA has accredited

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Shanghai, People's Republic of China

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 7th day of September 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3309.01
Valid to August 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.