



# Letter of Attestation

**Document:** 70203119

**Master Contract:** 259077

**Project:** 70203119

**Date Issued:** November 12, 2018

**Issued to: Altenergy Power System Inc.  
No.1 Yatai Road,  
Jiaxing, Zhejiang, 314050  
China  
Attention: Guofeng Jiang**

*CSA Group, Certification and Testing hereby confirms that it has completed an evaluation of:  
Utility Interactive Microinverter (at 240Vac output)*

*Model: QS1 and QS1200*

*CSA Group, Certification and Testing hereby attests that the products identified above and described  
in test report 70203119 dated November 12, 2018  
complies with the following standards/tests, to the extent applicable:*

The testing of the subject inverters were completed according to the following sections of the test protocol entitled "Performance Test Protocol for Evaluating Inverters Used in Grid-Connected Photovoltaic Systems" prepared by "Sandia National Laboratories, Endecon Engineering, BEW Engineering, and Institute for Sustainable Technology", dated October 14, 2004 as modified by the "Guidelines for the use of the Performance Test Protocol for Evaluating Inverters Used in Grid-Connected Photovoltaic Systems" prepared by KEMA-Xenergy, and BEW Engineering, dated March 1, 2005 with deviations according to the requirements of the California Energy Commission New Solar Homes Partnership Guidebook Sixth Edition (CEC-300-2016-008-CMF), Appendix III section C – "Inverters".

- *Maximum Continuous Power*
- *Conversion Efficiency*
- *Tare Losses*

**Notes:**

1. Units verified against CSA report 70203119, dated November 12, 2018.
2. Refer to TIS report and Testdata for test results and setup details.

*Allen Yao*  
**Issued by:** \_\_\_\_\_  
*Name of CSA Staff*



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***THIS LETTER OF ATTESTATION DOES NOT AUTHORIZE THE USE OF THE CSA MARK ON THE SUBJECT PRODUCTS.***

***QUOTATIONS FROM THE TEST REPORT OR THE USE OF THE NAME OF THE CANADIAN STANDARDS ASSOCIATION AND CSA GROUP OR ITS REGISTERED TRADEMARK, IN ANY WAY, IS NOT PERMITTED WITHOUT PRIOR WRITTEN CONSENT OF THE CANADIAN STANDARDS ASSOCIATION OPERATING AS CSA GROUP, CERTIFICATION AND TESTING DIVISION.***