



# Letter of Attestation

**Document:** 70220158

**Master Contract:** N/A

**Project:** 70220158

**Date Issued:** August 20, 2019

**Issued to:** Jiangsu Goodwe Power Supply  
Technology Co. Ltd.

No. 189 Kun Lun Road, Suzhou  
New District,  
Jiangsu, China

**Attention:** Xie Jing

*CSA Group hereby confirms that it has completed an evaluation of:  
Transformerless Utility Interactive Inverter, XS series.*

*Models: GW700-XS, GW1000-XS, GW1500-XS, GW2000-XS, GW2500-XS, GW3000-XS*

*CSA Group hereby attests that the products identified above and described  
in test report 70220158 dated August 20, 2019  
complies with the following standards/tests, to the extent applicable:*

*IEEE 1547-2003 (R2008) - IEEE Standard for Interconnecting Distributed Resources  
with Electric Power Systems*

*IEEE 1547.1-2005(R2011) - IEEE Standard Conformance Test Procedures for Equipment  
Interconnecting Distributed Resources with Electric Power  
Systems.*



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*Following tests were performed on model GW3000-XS as representative:*

Requirement		Topic	Pass/Fail / NA
IEEE 1547.1	5.1	Temperature Stability	Pass
IEEE 1547.1	5.5.3	Dielectric test for paralleling device	Pass
IEEE 1547.1	5.2	Test for response to abnormal voltage conditions	Pass
IEEE 1547.1	5.3	Response to abnormal frequency conditions	Pass
IEEE 1547.1	5.4	Synchronization	Pass
IEEE 1547.1	5.5.1	Protection from electromagnetic interference (EMI) test	Pass
IEEE 1547.1	5.5.2	Surge withstand performance test	Pass
IEEE 1547.1	5.2	Test for response to abnormal voltage conditions	Pass
IEEE 1547.1	5.3	Response to abnormal frequency conditions at extreme temp	Pass
IEEE 1547.1	5.4	Synchronization	Pass
IEEE 1547.1	5.7	Unintentional islanding	Pass
IEEE 1547.1	5.6	Limitation of dc injection	Pass
IEEE 1547.1	5.9	Open Phase Test	NA
IEEE 1547.1	5.10	Reconnect following abnormal condition disconnect	Pass
IEEE 1547.1	5.11	Harmonics	Pass

*Issued by: Jason Lei*

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**CSA Group**



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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 CSA GROUP.***