

Solectria Renewables LLC  
 360 Merrimack Street, Bldg. 9, 2nd Floor,  
 Lawrence, MA 01843  
 USA

2023-02-07

Report Number: US22J6JX.002  
 Project Number: P00621900  
 Equipment Type: Grid Support Utility Interactive Inverter

Inverter Model(s): XGI 1500-125/125-UL; XGI 1500-125/150-UL; XGI 1500-150/166-UL;  
 XGI 1500-166/166-UL; XGI 1500-125/125-3S; XGI 1500-166/166-3S;  
 XGI 1500-125/125-UL-A; XGI 1500-125/150-UL-A;  
 XGI 1500-150/166-UL-A; XGI 1500-166/166-UL-A;  
 XGI 1500 250/250-600; XGI 1500 225-600; XGI 1500 200/200-480;  
 XGI 1500 175-480

Dear Mr. Thomas Shanahan,

Based on the evaluations undertaken, the model(s) of the below product have been found to comply with the requirements of the below referenced specifications.

<b>Nationally Recognized Testing Laboratory (NRTL)</b>	TUV Rheinland of North America, Inc.
<b>NRTL Issuing Office Address</b>	1279 Quarry Lane, Suite A, Pleasanton, CA 94566
<b>Applicant Name</b>	Solectria Renewables LLC
<b>Applicant Address</b>	360 Merrimack Street, Bldg. 9, 2nd Floor, Lawrence, MA 01843 USA
<b>Inverter Model Numbers</b>	XGI 1500-125/125-UL; XGI 1500-125/150-UL; XGI 1500-150/166-UL; XGI 1500-166/166-UL; XGI 1500-125/125-3S; XGI 1500-166/166-3S; XGI 1500-125/125-UL-A; XGI 1500-125/150-UL-A; XGI 1500-150/166-UL-A; XGI 1500-166/166-UL-A; XGI 1500 250/250-600; XGI 1500 225-600; XGI 1500 200/200-480; XGI 1500 175-480
<b>Software/Firmware Version</b>	MCU1 .out file Checksum: 621b8ce1 MCU2 .out file Checksum: b7ac946a

TUV Rheinland of North America, Inc.  
 Pleasanton Office

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 CA 94566

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<b>Standard(s)</b>	<p>UL 1741:2010 R2.18: Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources</p> <p>UL 1741 Supplement SA, Feb. 15, 2018– GRID SUPPORT UTILITY INTERACTIVE EQUIPMENT</p>
<b>Source Requirements Document</b>	<p>IEEE 1547:2003 - IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems</p> <p>IEEE 1547.1-2005 - IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Energy Resources with Electric Power Systems and Associated Interfaces</p> <p>Electric Rule No. 21 Generating Distribution System</p> <p>Hawaii Rule No. 14H Interconnection of Distributed Generating Facilities with the Company's Distribution System HECO SRD-UL-1741-SA-V 1.1</p>
<b>Date of Test(s)</b>	N/A
<b>Reference reports</b>	This document shall be read together with US220TAY.001
<b>Reference certificate</b>	This document shall be read together with US72226018

The following tests have been completed according to UL 1741SA.

Clause Number	Description
SA8	Anti-Islanding Protection
SA9	Low and High Voltage Ride-Through
SA10	Low and High Frequency Ride-Through
SA11	Normal Ramp Rates and Soft-Start Ramp Rates
SA12	Specified Power Factor
SA13	Volt/Var Mode
SA14	Frequency-Watt
SA15	Volt-Watt
SA17*	Disable Permit Service
SA18*	Limit Active Power
HECO SRD Part IIA	Reactive Power Capabilities
Note: *Models that are not tested: XGI 1500 250/250-600; XGI 1500 225-600; XGI 1500 200/200-480; XGI 1500 175-480.	

Thank you for the opportunity to service your product testing needs. Please do not hesitate to contact our engineering or sales team for any questions you may have.

Evaluated by:

**Liu Han**

*Test Engineer*

*Email: liu.han@us.tuv.com*

Reviewed by:

**Howard Liu**

*Manager, Power Electronics Segment  
– Americas*

*Email: hliu@us.tuv.com*

Revision History	
08/17/2022 – Liu Han	-Original
02/07/2023-Liu Han	-Added Hawaii Rule No. 14H Under Source Requirements Document

-----End of this Letter-----