



# Letter of Attestation

**Document:** 70043715

**Master Contract:** 203213

**Project:** 70043715

**Date Issued:** November 13, 2015

**Issued to:** Fronius International GmbH  
Guenter Fronius Strasse 1  
Wels-Thalheim, 4600  
Austria

*CSA Group Certification and Testing hereby confirms that it has completed an evaluation of Inverter Integral 2% Meter Performance for the following Utility Interactive Photovoltaic Inverter Models:*

Fronius Primo 10.0-1 208-240 with Fronius PRIMO RGM-2 option,

Fronius Primo 11.4-1 208-240 with Fronius PRIMO RGM-2 option,

Fronius Primo 12.5-1 208-240 with Fronius PRIMO RGM-2 option, and

Fronius Primo 15.0-1 208-240 with Fronius PRIMO RGM-2 option.

*CSA International hereby attests that the product identified above and described in CSA report 70043714 complies with the following standards/tests, to the extent applicable:*

The testing of the above subject inverters was completed referencing the following sections of the California Public Utilities Commission California Solar Initiative Program Handbook, June 2010, entitled Appendix C: Inverter Integral 5% Meter Performance Specification and Test Requirements, but using pass/fail criteria with interpolated values for 2% meter accuracy.

The California Public Utilities Commission CSI Program Handbook references ANSI C12.1-2008 American Standard for Electric Meters – Code for Electricity Metering.



**Certificate:** 70043715  
**Project:** 70043715

**Master Contract:** 203213  
**Date:** November 13, 2015

The below CSI Program Handbook tests are listed with the equivalent ANSI C12.1 and ANSI C12.20 tests.

CSI Handbook Test #	Test Description	ANSI C12.1 Equivalent	ANSI C12.20 Equivalent
Test No. 1	No Load Test	Test No. 1	Test No. 1
Test No. 2	Load Performance Test	Test No. 3	Test No. 3
Test No. 3	Effect of Variation of Voltage	Test No. 5	Test No. 5
Test No. 4	Effect of Variation of Frequency	Test No. 6	Test No. 6
Test No. 5	Effect of Internal Heating	Test No. 11	Test No. 11
Test No. 6	Stability of Performance	Test No 13	Test No 13
Test No. 7	Independence of Elements (N/A as inverters are single phase)	Test No. 14	Test No. 14
Test No. 8	Insulation	Test No. 15	Test No. 15
Test No. 9a	Voltage Interruptions from Short Circuits	Test No. 16	Test No. 16
Test No. 9b	Voltage Interruptions from Loss of Control	Test No. 16	Test No. 16
Test No. 10	Effect of High Voltage Line Surges	Test No. 17	Test No. 17
Test No. 11	Effect of Variation of Ambient Temperature	Test No. 19	Test No. 19
Test No. 12	Electrical Fast/Transient Burst	Test No. 25	Test No. 25
Test No. 13	Effect of electrical oscillatory Surge Withstand Capabilities (SWC) Test	Test No. 25a	NA
Test No. 14	Effect of Radio Frequency Interference (Deemed N/A, meets FCC Part 15 Compliance)	Test No. 26	Test No. 26
Test No. 15	Effect of Frequency Conducted and Radiated Emission (Deemed N/A, meets FCC Part 15 Compliance)	Test No. 27	Test No. 27
Test No. 16	Effect of Electrostatic Discharge (ESD)	Test No. 28	Test No. 28
Test No. 17	Effect of Operating Temperature	Test No. 30	Test No. 30
Test No. 18	Effect of Relative Humidity	Test No. 31	Test No. 31

Notes:

1. For summary of test set up and test results refer to CSI Meter Attestation Report and Appendix A.
2. The above inverter models are CSA Certified to Standard UL1741 2<sup>nd</sup> Edition (RD IEEE1547/1547.1) in CSA report 70043714 and are currently listed on the CEC Eligible Inverter Listings.
3. Inverter models provided with the Fronius PRIMO RGM-2 option are identified with a marking.

Issued by:

**Rob Hempstock ASCT**  
**Alternative Energy & Sustainability**  
**CSA Group, Vancouver Office**

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.