



Letter of Attestation

Document: 70043708

Master Contract: 203213

Project: 70043708

Date Issued: October 6, 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 3.8-1 208-240 with Fronius PRIMO RGM-2 option,
Fronius Primo 5.0-1 208-240 with Fronius PRIMO RGM-2 option,
Fronius Primo 6.0-1 208-240 with Fronius PRIMO RGM-2 option,
Fronius Primo 7.6-1 208-240 with Fronius PRIMO RGM-2 option, and
Fronius Primo 8.2-1 208-240 with Fronius PRIMO RGM-2 option.

CSA International hereby attests that the product identified above and described in CSA report 2779302 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.



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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 2nd Edition (RD IEEE1547/1547.1) in CSA report 2779302 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

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