



Certificate of Compliance

Certificate: 70043714

Master Contract: 203213

Project: 70163420

Date Issued: 2017-12-21

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

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Thian (Peter) Lim*
Thian (Peter) Lim

PRODUCTS

CLASS - 531109 - POWER SUPPLIES-Distributed Generation Power Systems Equipment

CLASS - 531189 - POWER SUPPLIES - Distributed Generation-Power Systems Equipment - Certified to U.S. Standards

Transformerless Special Purpose Grid Support Interactive Inverter, Models Fronius Primo 10.0-1 208-240, Fronius Primo 11.4-1 208-240, Fronius Primo 12.5-1 208-240, and Fronius Primo 15.0-1 208-240, permanently connected.

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record, Annex A Rating for Certificate of Conformance



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APPLICABLE REQUIREMENTS

CSA-C22.2 No.107.1-16	-	General Use Power Supplies
*UL Std No. 1741-Second Edition	-	Inverters, Converters, Controllers and Interconnection System Equipment For Use With Distributed Energy Sources (Rev. September 7, 2016)
UL CRD	-	Non-Isolated EPS Interactive PV Inverters Rated Less Than 30kVA
UL 1699B	-	Outline of Investigation for Photovoltaic (PV) DC Arc-Fault Circuit Protection (Issue Number 2, January 14, 2013)
CSA TIL M-07	-	Interim Certification Requirements for Photovoltaic (PV) DC Arc-Fault Protection (Issue Number 1, March 11, 2013)
CSA-C22.2 No.290-15	-	Photovoltaic combiners (December 2015)

***Note:**

- (1) Conformity to UL 1741-Second Edition (Rev. September 7, 2016) includes compliance with applicable requirements of UL1741 Supplement SA - GRID SUPPORT UTILITY INTERACTIVE INVERTERS AND CONVERTERS, California Rule 21(SRDs), Hawaiian Electric Co. Rule 14, Hawaiian Electric Co. SRD-UL-1741-SA-V1.0, IEEE 1547, IEEE 1547a and IEEE 1547.1.
- (2) To fulfill the rapid shutdown requirements of the NEC Article 690.12 and CEC Sec 64-218 Photovoltaic system rapid shutdown with the Fronius Primo, the inverter can be used together with a suitable rapid shutdown device, or the inverter must be mounted within the boundary values given in the NEC and CEC Article. The ac output of the inverter complies with the requirements of following standards to ensure the ac conductors are within the controlled limits of 30Vdc, 15Vac and 8A within the 30s (and 10s respectively for CEC):
 - a. IEC62109-1:2010 §7.3.9
 - b. UL62109-1:2014 §7.3.9
 - c. CAN/CSA C22.2 No. 62109-1:16 §7.3.9
 - d. UL1741 2nd Edition (with SA)§11
 - e. CAN/CSA C22.2 No. 107.1-16



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70163420	2017-12-21	Update report 70043714 to evaluate firmware changes that address software bugs associated with Filter Stage changes issues.
70130882	2017-09-22	Update Primo Series (10KW-15KW) Report 70043714 to include new UL1741 SA.
70091567	2016-09-15	Update report 70043714 to include firmware revision and acceptance of test data under the CSA SMTC program.
70065234	2016-06-10	Update report 70043714 (PRIMO 10KW to 15KW) to include hardware alterations, roach firmware revision, and acceptance of CSA SMTC test data.
70053092	2015-12-24	Update report 70043714 (PRIMO 1P15 Series) to include firmware revision and acceptance of SMTC data.
70043714	2015-10-14	Fronius Primo 1P15 Series (up to 15kW).