



# Certificate of Compliance

**Certificate:** 2760387

**Master Contract:** 203213

**Project:** 2783673

**Date Issued:** February 19, 2015

**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.*



*Rob Hempstock*

**Issued by:** Rob Hempstock, AScT.

## **PRODUCTS**

- CLASS 5311 09** - POWER SUPPLIES - Distributed Generation Power Systems Equipment
- CLASS 5311 89** - POWER SUPPLIES - Distributed Generation - Power Systems Equipment
- Certified to U.S. Standards

Transformerless Utility Interactive Inverter, Models Fronius Symo 10.0-3 208-240, Fronius Symo 10.0-3 208-240 Lite, Fronius Symo 12.0-3 208-240, Fronius Symo 12.0-3 208-240 Lite, Fronius Symo 10.0-3 480, Fronius Symo 10.0-3 480 Lite, Fronius Symo 12.5-3 480, Fronius Symo 12.5-3 480 Lite, Fronius Symo 15.0-3 480, Fronius Symo 15.0-3 480 Lite, Fronius Symo 17.5-3 480, Fronius Symo 17.5-3 480 Lite, Fronius Symo 20.0-3 480, Fronius Symo 20.0-3 480 Lite, Fronius Symo 22.7-3 480, Fronius Symo 22.7-3 480 Lite, Fronius Symo 24.0-3 480, and Fronius Symo 24.0-3 480 Lite, 3 phase, permanently connected.

For details related to ratings, etc., reference should be made to the CSA Certification Record, Annex A, and/or the Descriptive Report.

## Notes:

- All models meet the surge requirements of IEEE C62.41.2-2002, Location Category B (6kV). Tests were performed using ring wave and combination waveforms, both polarities, for common mode and differential mode coupling, 20 pulses each test. After surge testing the units were operational with control functionally verified by frequency and voltage disconnect tests.
- The above models are intended to be used in an ungrounded power system in conjunction with the requirements specified in the National Electrical Code, ANSI/NFPA 70, 2014 Ed, section 690.35.



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3. The above models are permanently connected utility-interactive inverters intended for operation with Photovoltaic supplies only.

4. The above models are provided with integral PV DC ARC-Fault Circuit Protection for series arcing faults (type 1).

### **APPLICABLE REQUIREMENTS**

CSA-C22.2 No.107.1-01 - General Use Power Supplies

\*UL Std No. 1741- Second Edition - Inverters, Converters, Controllers and Interconnection System Equipment For Use With Distributed Energy Sources (January 28, 2010)

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)

\*Note: Conformity to UL 1741-Second Edition (January 28, 2010) includes compliance with applicable requirements of IEEE 1547 and IEEE 1547.1