



Certificate of Compliance

Certificate: 2779302

Master Contract: 203213

Project: 80158409

Date Issued: 2023-02-16

Issued To: Fronius International GmbH
Guenter Fronius Strasse 1
Wels-Thalheim, Upper Austria, 4600
Austria

Attention: Josef Feichtinger

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: Peter Lim
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 3.8-1 208-240, Fronius Primo 3.8-1 208-240 Lite, Fronius Primo 5.0-1 208-240, Fronius Primo 5.0-1 208-240 Lite, Fronius Primo 6.0-1 208-240, Fronius Primo 6.0-1 208-240 Lite, Fronius Primo 7.6-1 208-240, Fronius Primo 7.6-1 208-240 Lite, Fronius Primo 8.2-1 208-240 and Fronius Primo 8.2-1 208-240 Lite permanently connected.

For details related to rating and notes, reference should be made to the CSA Certification Record, the Descriptive Report or Annex A Ratings.



Certificate: 2779302
Project: 80158409

Master Contract: 203213
Date Issued: 2023-02-16

APPLICABLE REQUIREMENTS

- | | | |
|--------------------------------|---|---|
| CSA-C22.2 No.107.1-16 | - | Power Conversion Equipment |
| *UL Std No. 1741-Third Edition | - | Inverters, Converters, Controllers and Interconnection System Equipment For Use With Distributed Energy Sources (Rev. September 28, 2021) |
| 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 C22.2 No.290:19 | - | Photovoltaic combiners and recombiners (2 nd Edition, July 2019) |
| CSA C22.2 No.292-18 | - | DC Arc Fault Protection for Photovoltaic Applications |

*Note: Conformity to UL 1741-Third Edition (Rev. September 28, 2021) includes compliance with applicable requirements of UL1741 Supplement SA8 to SA15 - 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 1547:2003, IEEE1547a and IEEE 1547.1:2005

Notes:

Products certified under Class C531109 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

Certificate: 2779302

Master Contract: 203213

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 |
|----------|------------|---|
| 80158409 | 2023-02-16 | Scope to update report 2779302 to include alternate Fuseholder , DC and AC Surge Suppressor, and opto isolator. |
| 80139528 | 2022-09-08 | Update to report 2779302 to include Lite versions models. The only difference is that the lite version does not include WILMA2-O card. |
| 80106346 | 2022-03-31 | Update report 2779302 to include software bugfixes and some alternative components. |
| 80048719 | 2020-07-23 | Update report 2779302 to include new RECEBRO Firmware revision number for the increase in programing initialization timing from 80ms to 125 ms to accommodate hardware tolerances. The change on this parameter has no impact on grid tie and factory testing except factory programing's initialization timing. Assuming no testing is required. |
| 80045326 | 2020-06-25 | Update report 2779302 to include an alternate MCUs which is identical to the original model STM32F405 except alternate Micro STM32F407 has two additional features (I.e. Ethernet + camera interface which are not deployed), firmware version remains the same. Assume no further testing is deemed necessary. |
| 70163419 | 2017-12-21 | Update Report 2779302 to Evaluate Firmware Changes That Address Software Bugs Associated with Power Stage Changes Issues |
| 70152937 | 2017-09-22 | Update report 2779302 to include change in Firmware Numbering to facilitate set-up for existing UL1741 SA certified models. |
| 70130870 | 2017-07-07 | Update Primo Series Report 2779302 to include new UL1741 SA Visit 1; 3 weeks on site, June 5 -23) |
| 70053091 | 2015-12-08 | Update report 2779302 (PRIMO 1P7 Series) to include firmware revision and acceptance of SMTC data. |
| 70043703 | 2015-10-15 | Update report 2779302 to include firmware changes, tests performed and data accepted under CSA SMTC program. |



| | | |
|----------|------------|---|
| 70036245 | 2015-07-07 | Update report 2779302 to include firmware revision, alternate components and acceptance of test data under the CSA SMTC program. |
| 70027816 | 2015-04-16 | Update report 2779302 to include alternate components and SW revision with acceptance of SMTC test data. |
| 2779302 | 2014-12-10 | UL1741/IEEE1547/ULCRD IMI/ UL1699B evaluation for PRIMO inverter series (based on 15 days on site in Austria, costs shared with CEC project). |