



# Certificate of Compliance

Certificate: 70043748

Master Contract: 203213

Project: 70099516

Date Issued: October 6, 2016

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: Sylvain Lefebvre  
Sylvain Lefebvre

## 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

### PART A:

Rapid Shutdown Box Single, rack mounted, permanently connected, system rating as follows:

Model	Rapid Shutdown Box Single
RATINGS:	
Maximum System voltage (V dc)	600 Vdc
Range of input/output operating voltage (V dc)	80 to 600 Vdc
Maximum input/output rated current (A dc)	17A
Maximum Overcurrent rating	17A
Maximum Number of Circuits	1
Normal operating ambient temperature range	-40°C to +60°C
Enclosure Rating Type	Type 4X



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Notes:

1. The above model is intended for operation with PV arrays only (floating or grounded).
2. This product is evaluated as PV Rapid Shutdown System Equipment (PVRSE), a component of a PV Rapid Shutdown System (PVRSS), where the suitability of the combination is to be determined in the end system.
3. The above model was evaluated for use at 600 V dc with the following certified utility interactive inverters only: Fronius PRIMO series, Fronius SYMO series and Fronius Galvo series.
4. Model Rapid Shutdown Box Single is not provided with disconnects or overcurrent protection and if required by the National Electrical Code, ANSI/NFPA 70 and Canadian Electric Code Part I C22.1 -12 and Canadian Electric Code Part I shall be provided by others in the end installation.

PART B:

Rapid Shutdown Box Multi, rack mounted, permanently connected, system rating as follows:

Model	Rapid Shutdown Box Multi
<b>RATINGS:</b>	
Maximum System voltage (V dc)	600 Vdc
Range of input/output operating voltage (V dc)	80 to 600 Vdc
Maximum input rated current (A dc)	4 x 12.5A dc
Maximum output rated current (A dc)	2 x 25A dc
Maximum Overcurrent rating	25A
Maximum Number of Circuits	2
Normal operating ambient temperature range	-40°C to +60°C
Enclosure Rating Type	Type 4X

Notes:

1. The above model is intended for operation with PV arrays only (floating or grounded).
2. This product is evaluated as PV Rapid Shutdown System Equipment (PVRSE), a component of a PV Rapid Shutdown System (PVRSS), where the suitability of the combination is to be determined in the end system.
3. The above model was evaluated for use at 600 V dc with the following certified utility interactive inverters only: Fronius PRIMO series, Fronius SYMO series and Fronius Galvo series.



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**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 Resources (Rev. March 23<sup>rd</sup>, 2016)

Referenced UL CRD for PV Rapid Shutdown Systems and CSA TIL No. AE-004-2015 (revised March 23, 2016) for PV Rapid Shutdown Systems



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70099516	2016-10-06	Update report 70043748 to include alternate construction.
70065402	2016-05-18	Update report 70043748 to include Rapid Shutdown Box Multi.
70043748	2015-11-27	Fronius Rapid Shutdown Box Single (PVRSE). (C/US)