



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** Fronius International GmbH  
Froniusplatz 1  
4600 Wels  
Österreich

**Product:** Photovoltaic inverter

**Model:** SYMO 3.0-3-S; SYMO 3.7-3-S; SYMO 4.5-3-S  
SYMO 3.0-3-M; SYMO 3.7-3-M; SYMO 4.5-3-M  
SYMO 5.0-3-M; SYMO 6.0-3-M; SYMO 7.0-3-M  
SYMO 8.2-3-M; SYMO 10.0-3-M; SYMO 12.5-3-M  
SYMO 15.0-3-M; SYMO 17.5-3-M; SYMO 20.0-3-M

## Use in accordance with regulations:

The inverters are tested for functional safety, grid protection, specified environmental influences and efficiency. For detailed information, please watch the corresponding test reports.

## Applied rules and standards:

IEC 61727:2004 – Characteristics of the utility interface  
IEC 62116:2008 – Islanding prevention measures for utility-interconnected photovoltaic inverters.  
IEC 62109-1:2010 – Safety of power converters for use in photovoltaic power systems  
IEC 62109-2:2011 – Safety of power converters for use in photovoltaic power systems Part 2  
IEC 61683:1999 – Photovoltaic systems – Power conditioners – Procedure for measuring efficiency  
IEC 60068-2-1:2007 – Environmental testing - Part 2-1: Tests - Test A: Cold  
IEC 60068-2-2:2007 – Environmental testing - Part 2-2: Tests - Test B: Dry heat  
IEC 60068-2-6:1995 – Environmental testing - Part 2 Vibration (sinusoidal)  
IEC 60068-2-14:2009 – Environmental testing - Part 2-14: Tests - Test N: Change of temperature  
IEC 60068-2-27:2009 – Shock  
IEC 60068-2-30:2005 – Damp heat, cyclic (12h+12h cycle)  
IEC 60068-2-75:1997 – Hammer tests (IEC 62262:2002 – IK code)  
IEC 60068-2-78:2001 – Test cab: Damp heat, steady state

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

**Report number:** 28106316 001  
2213/0864-IEC and 2213/0703-IEC  
2213/0864-S1 and 2213/0890/1-S1  
2213/0864-S2 and 2213/0890/1-S2  
14TH0365-IEC61683  
ECL-ENV-TR-14-088-V01.00  
ECL-ENV-TR-14-081-V01.00  
14TH0365-IEC60068-2-75

**Certificate number:** U14-0670  
**Date of issue:** 2014-12-11

## Certification body

Dieter Zitzmann

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to EN 45011 - ISO / IEC Guide 65