

Certificate of compliance

Applicant: ABB Oy Power Conversion

Hiomotie 13

FI-00380 Helsinki

Finland

Product: Photovoltaic inverter

Model: PRO-33.0-TL-OUTD-400

PRO-33.0-TL-OUTD-S-400 PRO-33.0-TL-OUTD-SX-400

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 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 60068-2-14:2009 Environmental testing – Part 2-14: Tests – Test N: Change of temperature

IEC 60068-2-30:2005 Damp heat, cyclic (12h+12h cycle)

IEC 60068-2-75:1997 Hammer tests (IEC 62262:2002 – IK code)

IEC 60068-2-78:2012 Test cab: Damp heat, steady state
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

Part 1: General requirements

IEC 62109-2:2011 Safety of power converters for use in photovoltaic power system

Part 2: Particular requirements for inverters

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.

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Certification body

Dieter Zitzmann

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