



Certificate of compliance

Applicant: ABB Oy Power Conversion
Hiomotie 13
FI-00380 Helsinki
Finland

Product: Photovoltaic (PV) inverter

Model: PRO-33.0-TL-OUTD-400
PRO-33.0-TL-OUTD-S-400
PRO-33.0-TL-OUTD-SX400

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with IEC 61727:2004 for photovoltaic systems with a three-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters.

The tests provide compliance with following categories:

- (a) Category A: 0 - 1 MVA (Only LV connected RPPs)
 - (i) Category A1: 0 - 13.8 kVA
 - (ii) Category A2: 13.8 kVA - 100 kVA
 - (iii) Category A3: 100 kVA - 1 MVA
 - (b) Category B: 1 MVA - 20 MVA and RPPs less than 1 MVA connected to the MV
 - (c) Category C: 20 MVA or higher
- Validation of the simulation model is not considered.

Applied rules and standards:

SAGC Version 6:2012

Grid connection code for renewable power plants (RPPs) connected to the electricity transmission system (TS) or the distribution system (DS) in South Africa

NRS 097-2-1:2010 ed1.0

Grid interconnection of embedded generation

Part 2: Small-scale embedded generation

Section 1: Utility interface

IEC 61727:2004 ed2.0

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2008 ed1.0

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters

DIN V VDE V 0126-1-1:2006-02 (Functional safety)

Automatic disconnection device between a generator and parallel to the public low voltage network


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: 13TH0463-SAGC Version 6

Certificate number: U14-0599

Date of issue: 2014-10-31

Certification body


Dieter Zitzmann



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