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VERITAS**

Certificate of compliance

Applicant: ABB Oy Solar
Hiomotie 13
FI-00380 Helsinki
Finland

Product: Photovoltaic (PV) inverter

Model: PVS800-57B-xxxxkW-y *
(* see certificate annex for more information on type definition)

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 2.9:2016

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

IEC 61727:2004 ed2.0

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2014 *

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

Note:

* The provided test results from TÜV Rheinland according to IEC 62116:2014 are not covered by ISO/IEC 17025 accreditation.

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: 16TH0394_SAGC_0

Certificate number: U18-0127

Date of issue: 2018-03-27

Certification body



Holger Schaffer



Certification body of Bureau Veritas Consumer Products Services Germany GmbH
Accredited according to DIN EN ISO/IEC 17065



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Certificate Annex

Details on type family:

The type code defines the specification and configuration of the inverter as follows:

PVS800-57B-xxxxkW-y

Digit	Name/description	Alternatives	Description
1...6	Product series	PVS800	PVS800 product series (ABB central inverter)
8...9	Construction	57B	Cabinet-built indoor inverter
11...17 (xxxx)	Size	1516 – 1732, depending on output AC voltage	Inverter nominal AC power in kW at nominal ambient temperature
19 (y)	Voltage rating	B or C	Inverter AC voltage range: B = 350...379 V C = 380...400 V

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