



**BUREAU
VERITAS**

Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Photovoltaic (PV) inverter

Model: STP50-40

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with NRS 097-2-1:2017 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.

Applied rules and standards:

NRS 097-2-1:2017 ed2.0

Grid interconnection of embedded generation, Part 2: Small-scale embedded generation, Section 1: Utility interface Inverter is intended for use according to Category A3: 100 kVA – 1 MVA and for grid connection with an external AC transformer.

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

VDE AR-N 4105:2011-08 (A.6 General requirements, single-fault tolerance)

Power generation systems connected to the low-voltage distribution network

EN 61000-6-2:2005

Electromagnetic compatibility (EMC) – Part 6-2: Generic standards - Immunity standard for industrial environments

EN 61000-6-3:2007+A1:2011

Electromagnetic compatibility (EMC) – Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

EN 55022:2011 Class B

Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

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



Holger Schaffer

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