



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** SMA Solar Technology AG  
Sonnenallee 1  
34266 Niestetal  
Germany

**Product:** Photovoltaic (PV) inverter      Battery inverter

**Model:** SHP 75-10<sup>(1)</sup>      STPS 60-10<sup>(1)</sup>  
STP 60-10<sup>(2)</sup>

## 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<sup>(1)(2)</sup>

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

### EN 61000-6-3:2007+A1:2011<sup>(2)</sup>

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

### EN 55011:2015 Class B (CISPR 11)<sup>(1)</sup>

Industrial, scientific and medical equipment – Radio-frequency 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.

**Report number:** 14TH0075-NRS 097-2-1\_3  
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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