



**BUREAU
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Certification body of BV CPS GmbH
Accredited according to EN 45011 -
ISO / IEC Guide 65

Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Grid-tied photovoltaic inverter

Model: STP 8000TL-10, STP 10000TL-10, STP 12000TL-10,
STP 15000TL-10, STP 15000TLEE-10,
STP 15000TLHE-10, STP 17000TL-10, STP 20000TLEE-10,
STP 20000TLHE-10

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with IEC 61727:2004 and IEC62116:2008 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:

IEC 61727:2004

Photovoltaic (PV) systems – Characteristics of the utility interface

IEC 62116:2008

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

The following values according IEC61727 and IEC62116 were applied:

*under voltage limit (level 1): 195,5V
under voltage limit (level 2): 115,0V
over voltage limit (level 1): 253,0V
overvoltage limit (level 2): 310,0V
lower frequency limit: 49,0Hz
upper frequency limit: 51,0Hz
loss of main detection limit: 2s*

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: 10TH0052-IEC61727
10TH0052-IEC62116

Certificate number: U13-0794

Date of issue: 2013-11-09 **Valid until:** 2016-11-08

Certification body

Dieter Zitzmann



Deutsche
Akkreditierungsstelle
D-ZE-12024-01-01



QUALITY



HEALTH



SAFETY



ENVIRONMENT



SOCIAL
ACCOUNTABILITY