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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: Automatic disconnection device between a generator and the public low-voltage grid

Model: SB 3000TL-21; SB 3600TL-21; SB 4000TL-21;
SB 5000TL-21; SB 2500TLST-21; SB 3000TLST-21;
WB 3000TL-21; WB 3600TL-21; WB 4000TL-21;
WB 5000TL-21

Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with IEC 61727:2004 and IEC62116:2008 for photovoltaic systems with a single-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 deviations for Thailand were applied according to PEA:

under voltage limit (level 1): 198,0V
under voltage limit (level 2): 110,0V
over voltage limit (level 1): 242,0V
overvoltage limit (level 2): 297,0V
lower frequency limit: 49,5Hz
upper frequency limit: 50,5Hz
loss of main detection limit: 350ms

according to MEA were applied:

under voltage limit (level 1): 209,0V
under voltage limit (level 2): 115,0V
over voltage limit (level 1): 240,0V
overvoltage limit (level 2): 310,0V
lower frequency limit: 48,0Hz
upper frequency limit: 51,0Hz
loss of main detection limit: 350ms

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: 11TH0290-IEC61727
Certificate number: U12-1003
Date of issue: 2012-11-21 **Valid until:** 2015-11-20

Certification body

Achim Hänchen



Deutsche
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