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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 EN 50438:2007 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:

EN 50438:2007,
Requirements for the connection of micro-generators in parallel with the public low-voltage distribution networks.

The following parameters according to EN 50438:2007 were applied. The inverter SB 4000TL-21, SB 5000TL-21, WB 4000TL-21, WB 5000TL-21 are designed for >16A per phase.

However all requirements of the EN 50438:2007 are fulfilled.

Under voltage limit: 195,5V

Upper voltage limit: 264,5V

Under frequency limit: 47,0Hz

Upper frequency limit: 51,0Hz

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-EN50438
Certificate number: U12-0871
Date of issue: 2012-11-09 **Valid until:** 2015-11-08

Certification body

Achim Hänchen

