



**BUREAU
VERITAS**

Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Photovoltaic inverter

Model: SB1.5-1VL-40, SB2.5-1VL-40

Use in accordance with regulations:

The inverters are tested for functional safety, grid protection, specified environmental influences and efficiency. For detailed information, please see the corresponding test reports.

Applied rules and standards:

IEC 61683:1999 - Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

IEC 61727:2004 - Characteristics of the utility interface

IEC 62116:2008 - Islanding prevention measures for utility-interconnected photovoltaic inverters

IEC 62109-1:2010 - Safety of power converters for use in photovoltaic power systems

IEC 62109-2:2011 - Safety of power converters for use in photovoltaic power systems

IEC 60068-2-1:2007 - Environmental testing – Part 2-1: Tests – Test A: Cold

IEC 60068-2-2:2007 - Environmental testing – Part 2-2: Tests – Test B: Dry heat

IEC 60068-2-14:2009 - Environmental testing – Part 2-14: Tests – Test N: Change of temperature

IEC 60068-2-6:2007 - Environmental testing - Part 2 Vibration (sinusoidal)

IEC 60068-2-27:2008 - Shock

*IEC 60068-2-30 - Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)

IEC 60068-2-38:2009 - Environmental testing - Part 2-38: Test - Z/AD: Composite temperature/humidity

IEC 60068-2-78:2001 - Test cab: Damp heat, steady state

* Note: IEC 60068-2-30 is based on the successful test according to IEC 60068-2-38.

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: SB2.5-1VL40-6RTP-T1:LD1515
SB2.5-1VL40-6RTP-H3:LD3015
SB1.5-1VL-40-20LE4215
SB2.5-1VL-40-20LE4215
P14_HAI_LP15-71_LE0615
14TH0397-IEC61727
14TH0397-IEC62109-1
14TH0397-IEC62109-2

Certificate number: U15-0364

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Certification body

Dieter Zitzmann

Certification body of Bureau Veritas Consumer Products Services Germany GmbH
Accredited according to EN 45011 - ISO / IEC Guide 65