



Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Photovoltaic inverter

Model: SB1.5-1VL-40, SB2.0-1VL-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	SB1.5-1VL-40-20LE4215
SB2.5-1VL40-6RTP-H3:LD3015	SB2.5-1VL-40-20LE4215
P14_HAI_LP15-71_LE0615	14TH0397-IEC61727_1
EMV 18 10 3919	14TH0397-IEC62109-1_3
SB2.0-1VL-40-H-510:LE4718	14TH0397-IEC62109-2_2
SB2.0-1VL-40-11:LE4718	14TH0397-IEC61683_0

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Certification body



Holger Schaffer

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