



Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Grid-tied photovoltaic inverter with battery connection

Model: SBSE3.6-50
SBSE4.0-50
SBSE5.0-50
SBSE6.0-50

Ratings:	SBSE3.6-50	SBSE4.0-50	SBSE5.0-50	SBSE6.0-50
PV MPP DC voltage range [V]:	60 - 480	60 - 480	60 - 480	60 - 480
PV Input DC voltage range [V]:	60 - 600	60 - 600	60 - 600	60 - 600
PV Input DC current [A]:	15	15	15	15
BAT Input DC voltage range [V]:	90 - 500	90 - 500	90 - 500	90 - 500
BAT Input DC current [A]:	30	30	30	30
Output AC voltage [V]:	184 - 253	184 - 253	184 - 253	184 - 253
Output AC current [A]:	15,7	17,4	21,7	26,1
Output power [VA]:	3600	4000	5000	6000

The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):

IEC 62109-1:2010, EN 62109-1:2010, DIN EN 62109-1:2011

Safety of power converters for use in photovoltaic power systems – Part 1: General requirements

IEC 62109-2:2011, EN 62109-2:2011, DIN EN 62109-2:2012

Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters

The safety concept of an aforementioned representative product corresponds at the time of issue of this certificate to the valid safety specifications for the specified use in accordance with the applied rules and standards.

Report number: 23TH0286-IEC62109-1_0 **Certification Program:** NSOP-0032-DEU-ZE-V01
23TH0286-IEC62109-2_0

Certificate number: U24-0463 **Date of issue:** 2024-05-29



Certification body Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065

Testing laboratory accredited according to DIN EN ISO/IEC 17025

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH