



**BUREAU
VERITAS**

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

Domenik Koll
Head of Energy Systems



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