

Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Grid-tied Photovoltaic Inverter and battery (hybrid)

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

The certificate refers to the stated models which passed the tests according to the applicable standard:

Applied rules and standards:

IEC 63027:2023-05

Photovoltaic power systems - DC arc detection and interruption

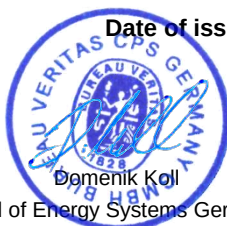
At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 23TH0286-IEC63027_0

Certificate number: P25-0206

Date of issue:

2025-03-05



Domenik Koll

Head of Energy Systems Germany

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Type Approval and declaration of compliance with the requirements of IEC 63027:2023-05				
Manufacturer / applicant	SMA Solar Technology AG Sonnenallee 1 34266 Niestetal Germany			
Product type	Grid-tied Photovoltaic Inverter and battery (hybrid)			
Static converter model	SBSE3.6-50	SBSE4.0-50	SBSE5.0-50	SBSE6.0-50
Input (PV)				
DC PV Input - MPP voltage, range [V]	60 - 480	60 - 480	60 - 480	60 - 480
DC PV Input - voltage, range [V]	60 - 600	60 - 600	60 - 600	60 - 600
DC PV Input - current, max [A] (MPP tracker A/B/C)	15 / 15 / 15	15 / 15 / 15	15 / 15 / 15	15 / 15 / 15
Port (Bat.)				
DC Bat. Port - voltage, range [V]	90 - 500	90 - 500	90 - 500	90 - 500
DC Bat. Port - charge current, max [A]	30	30	30	30
DC Bat. Port - discharge current, max [A]	30	30	30	30
Output (AC)				
AC Output - voltage, range [V]	184 - 253	184 - 253	184 - 253	184 - 253
AC Output - voltage, rated [V]	230 (1/N/PE) 240 (1/N/PE)	230 (1/N/PE) 240 (1/N/PE)	230 (1/N/PE) 240 (1/N/PE)	230 (1/N/PE) 240 (1/N/PE)
AC Output - frequency, range [Hz]	44 - 56 54 - 66	44 - 56 54 - 66	44 - 56 54 - 66	44 - 56 54 - 66
AC Output - frequency, rated [Hz]	50 60	50 60	50 60	50 60
AC Output - current, rated [A]	15,7	17,4	21,7	26,1
AC Output - current, max [A]	16,0	20,0	25,0	30,0
AC Output - power, rated [W]	3600	4000	5000	6000
AC Output - apparent power, rated [VA]	3600	4000	5000	6000
AC Output - apparent power, max [VA]	3600	4000	5000	6000
Firmware version	v. 03.xx.xx.R			
Note	The tests were carried out with firmware version 03.08.03.R. Changes to the firmware version to position 03.XX.X have no influence on the required electrical properties. "X" can be any number (or any character) higher (newer) than the tested version.			