



Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product: Photovoltaic inverter

Models: STP 25-50
STP 20-50
STP 15-50
STP 12-50

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

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: 22TH0339-IEC63027_1

Certificate number: P24-1157_1

Date of issue:

2024-12-12

Digitally signed by
Certification Body Bureau
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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	Photovoltaic inverter			
Static converter model	STP 25-50	STP 20-50	STP 15-50	STP 12-50
Input (PV)				
MPP voltage range [V]	430 – 800	345 – 800	260 – 800	210 – 800
Max. input voltage [V]	150 - 1000	150 - 1000	150 - 1000	150 - 1000
Max. input current per MPPT [A]	3 x 24	3 x 24	3 x 24	3 x 24
Output (AC)				
Rated AC voltage [V]	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Rated output current [A]	nom. 36,2	nom. 29	nom. 21,7	nom. 17,4
Max. output current [A]	36,6	36,6	25,0	20,0
Nom. converter output (P _{NINV}) [kW]	25000	20000	15000	12000
Rated apparent power [kVA]	25000	20000	15000	12000
Firmware version	v. 01.XX.XX.R			
Note	The tests were carried out with firmware version 01.16.03.R. Changes to the firmware version to position 01.XX.X have no influence on the required electrical properties. "X" can be any number (or any character) higher (newer) than the tested version.			