



**BUREAU
VERITAS**

Certificate

Manufacturer / applicant: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal
Germany

Product type: Grid-tied photovoltaic inverter
Model: SHP 100-20
SHP 150-20

Ratings:	SHP 100-20	SHP 150-20
MPP DC voltage range [V]:	590 – 1000	880 – 1450
Input DC voltage range [V]:	570 – 1000	855 – 1500
Input DC current [A]:	max. 180 I _{sc} : 325	
Output AC voltage [V]:	400 / PE @ 50/60 Hz	600 / PE @ 50/60 Hz
Output AC current [A]:	nom. 145 max. 151	
Output power [kVA]:	100	150

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

Report number: 18TH0282-IEC62109-1_0
18TH0282-IEC62109-2_0

Certificate number: U19-0267

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Certification body

Holger Schaffer



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