



Ref. Certif. No.

SG PSB-PV-00005

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Converter (PV Grid-connected Inverter)																																		
Name and address of the applicant	SMA Solar Technology AG Sonnenallee 1 34266 Niestetal GERMANY																																		
Name and address of the manufacturer	SMA Solar Technology AG Sonnenallee 1, 34266 Niestetal, GERMANY																																		
Name and address of the factory	SMA New Energy Technology (Yangzhong) Co., Ltd. No.588 Gangxing Road, Economic Development Zone, 212200 Yangzhong, PEOPLE'S REPUBLIC OF CHINA																																		
Ratings and principal characteristics	<table border="0"> <tr> <td colspan="2">PV input ratings</td> </tr> <tr> <td>Max. input voltage:</td> <td>d.c. 600V</td> </tr> <tr> <td>MPP voltage range:</td> <td>See test report for details.</td> </tr> <tr> <td>Max. input current:</td> <td>d.c. 2×15A</td> </tr> <tr> <td>Isc PV (absolute maximum):</td> <td>d.c. 2×20A</td> </tr> <tr> <td colspan="2">AC output ratings</td> </tr> <tr> <td>Nominal output voltage:</td> <td>a.c. 230V</td> </tr> <tr> <td>Nominal operating frequency:</td> <td>50Hz</td> </tr> <tr> <td>Nominal output power:</td> <td>See test report for details.</td> </tr> <tr> <td>Max. apparent power:</td> <td>See test report for details.</td> </tr> <tr> <td>Max. Continuous output current:</td> <td>See test report for details.</td> </tr> <tr> <td>Adjustable power factor:</td> <td>leading0.8 ~lagging0.8</td> </tr> <tr> <td colspan="2">General rating</td> </tr> <tr> <td>Protection class:</td> <td>I</td> </tr> <tr> <td>Ingress protection:</td> <td>IP65</td> </tr> <tr> <td>Overvoltage category:</td> <td>II(PV), III(MAINS)</td> </tr> <tr> <td>Operating temperature range:</td> <td>-25°C ... +60°C</td> </tr> </table>	PV input ratings		Max. input voltage:	d.c. 600V	MPP voltage range:	See test report for details.	Max. input current:	d.c. 2×15A	Isc PV (absolute maximum):	d.c. 2×20A	AC output ratings		Nominal output voltage:	a.c. 230V	Nominal operating frequency:	50Hz	Nominal output power:	See test report for details.	Max. apparent power:	See test report for details.	Max. Continuous output current:	See test report for details.	Adjustable power factor:	leading0.8 ~lagging0.8	General rating		Protection class:	I	Ingress protection:	IP65	Overvoltage category:	II(PV), III(MAINS)	Operating temperature range:	-25°C ... +60°C
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Model/type Ref.	SB6.0-1AV-41, SB5.0-1AV-41, SB4.0-1AV-41, SB3.6-1AV-41, SB3.0-1AV-41																																		
A sample of the product was tested and found to be in conformity with	IEC 62109-1:2010 IEC 62109-2:2011																																		
as shown in the Test Report Ref. No. which forms part of this certificate	085-180549701-000																																		

This CB Test Certificate is issued by the National Certification Body

CBS 070122 0006 Rev. 00

Date, 2018-09-28

Page 1 of 2

TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221

Frank Zhu

(Frank Zhu)



PSB Singapore

Trade mark (image)



CBS 070122 0006 Rev. 00

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Page 2 of 2

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A handwritten signature in black ink, appearing to read 'Frank Zhu', is written over the printed name.

(Frank Zhu)



PSB Singapore