



Ref. Certif. No.

SG PSB-PV-00046

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

## CB TEST CERTIFICATE

Product	PV inverter (Grid-tied Solar 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	AISWEI New Energy Technology (Yangzhong) Co., Ltd. No.588 Gangxing Road, Economic Development Zone, 212200 Yangzhong, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	See page 2
Trademark / Brand (if any)	See page 2
Model/type Ref.	STP50-80, STP60-80
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	085-253088701-000

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This CB Test Certificate is issued by the National Certification Body

CBS 070122 0051 Rev. 00

Date, 2025-08-18

( Billy Qiu )



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Trademark / Brand (Image)



## Ratings and principal characteristics

Model	STP50-80	STP60-80
PV terminal parameters		
Maximum PV voltage [V <sub>DC</sub> ]	1100	1100
Rated voltage [V <sub>DC</sub> ]	650	650
MPPT voltage range [V <sub>DC</sub> ]	200-1000	200-1000
MPPT voltage range (full load) [V <sub>DC</sub> ]	500-850	500-850
Maximum input current [A <sub>DC</sub> ]	5*40	5*40
Isc PV [A <sub>DC</sub> ]	5*50	5*50
MPPT tracker number	5	5
Maximum input power [W]	50000	60000
Grid terminal output parameters		
Rated output voltage [V <sub>AC</sub> ]	3/N/PE, 230/400, 220/380	3/N/PE, 230/400, 220/380
Rated output frequency [Hz]	50/60	
Rated output current [A <sub>AC</sub> ]	72.5	87.0
Maximum continuous output current [A <sub>AC</sub> ]	79.5	95.3
Rated output active power [W]	50000	60000
Maximum output apparent power [VA]	50000	60000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)	
General parameter		
Ingress protection rating	IP65	
Operation temperature range [°C]	-25 to +60	
Protection class	Class I	

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