

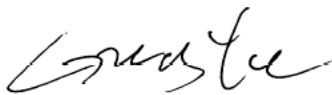
Certificate of Conformity

Certificate Number: 180605131GZU-004

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it ;

Applicant Name & Address:	SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO., LTD 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen, P.R.China
Product Description:	AC Coupled inverter
Ratings & Principle Characteristics:	See Annex to Test Certificate of Conformity
Models:	SPA 1000TL BL, SPA 2000TL BL, SPA 3000TL BL
Relevant Standards	EN 50438: 2013, Requirements for micro-generating plants to be connected In parallel with public low-voltage distribution networks Type approval for Sweden
Certificate Issuing Office:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Date of Tests:	01 Jul 2018 to 20 Dec 2018
Test Report Number(s):	180605131GZU-004

Additional information in Appendix.



Signature

Name: Grady Ye
Position: Manager
Date: 29 Dec 2018



This certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Certificate are relevant only to the sample tested/inspected. This Certificate by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program

APPENDIX: Certificate of Conformity

This is an Annex to Certificate of Conformity with Verification/Report Number(s): 180605131GZU-004. The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

Model	SPA 1000TL BL	SPA 2000TL BL	SPA 3000TL BL
AC output/input data			
Nominal Power	1000W	2000W	3000W
Max. Apparent Power	1000VA	2000VA	3000VA
Nominal Voltage	230Vac		
Max. Current	6A	10A	16A
Nominal Frequency	50Hz		
Power factor range	0.8Leading ~ 0.8Lagging		
Stand alone data			
Nominal AC output power	1000W	2000W	3000W
Nominal AC output voltage	230Vac		
Nominal AC output Frequency	50Hz		
Battery data			
Battery voltage range	42-59V		
Max.charging and discharging current	24A	44A	66A
Type of battery	Lithium / Lead-acid		
Others			
Safety level	Class I		
Ingress Protection	IP 65		
Operation Ambient Temperature	-25°C - 60°C		
Software version	RH1.0		

This certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Certificate are relevant only to the sample tested/inspected. This Certificate by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program