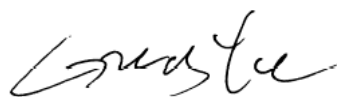


Certificate of Conformity

Certificate Number: 180605131GZU-003

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, Shiyao 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 Ireland
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-003
Additional information in Appendix.	



Signature

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



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APPENDIX: Certificate of Conformity

This is an Annex to Certificate of Conformity with Verification/Report Number(s): 180605131GZU-003. 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		

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