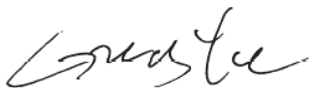


# Certificate of Conformity

Certificate Number: 170810129GZU-002

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 certificate 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:	PV Grid inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models:	Growatt 3000 TL3-S, Growatt 4000 TL3-S Growatt 5000 TL3-S, Growatt 6000 TL3-S Growatt 7000 TL3-S, Growatt 8000 TL3-S Growatt 9000 TL3-S, Growatt 10000 TL3-S Growatt 11000 TL3-S
Relevant Standards	EN 50438: 2013, Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks Type test for Ireland
Certificate Issuing Office:	Same as Intertek Legal Entity
Date of Tests:	14 Nov., 2017 – 27 April., 2018
Test Report Number(s):	161118023GZU-003 & 161118023GZU-003 Revision 1: 15 Jun., 2018
Additional information in Appendix.	



**Signature**

**Name:** Grady Ye  
**Position:** Manager  
**Issuing Office:** Intertek Legal Entity: Intertek  
Testing Services Shenzhen Ltd.  
Guangzhou Branch  
**Date:** 15 Jun 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 Certificate/Report Number(s): 161118023GZU-003 & 161118023GZU-003 Revision 1: 15 Jun., 2018. The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

MODEL	Growatt 8000 TL3-S	Growatt 9000 TL3-S	Growatt 10000 TL3-S	Growatt 11000 TL3-S	Growatt 7000 TL3-S
Max PV voltage	1000Vdc				
Voltage range	160-1000Vdc				
MPPT voltage	360-850	400-850	450-850		320-850
PV Isc	16A/16A				
Max power	8.8KVA	9.9KVA	11.0KVA	12.1KVA	7.7KVA
Max output current	3*13.3A	3*15A	3*16.7A	3*18.3A	3*11.7A
Output voltage	3W/N/PE 230Vac/400Vac				
Nominal Frequency	50Hz				
Power Factor	0.8 Leading to 0.8 Lagging				
Ambient Temperature	-25°C - +60°C				
Protection Degree	IP65				
Protection Class	Class I				

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Ratings and principal characteristics

MODEL	Growatt 3000 TL3-S	Growatt 4000 TL3-S	Growatt 5000 TL3-S	Growatt 6000 TL3-S
Max PV voltage	1000Vdc			
Voltage range	140-1000Vdc			
MPPT voltage	160-800	200-800	250-800	290-800
PV Isc	16A/16A			
Max power	3.0KVA	4.0KVA	5.0KVA	6.0KVA
Max output current	3*4.5A	3*6.1A	3*7.6A	3*9.1A
Output voltage	3W/N/PE 230Vac/400Vac			
Nominal Frequency	50Hz			
Power Factor	0.8 Leading to 0.8 Lagging			
Ambient Temperature	-25°C - +60°C			
Protection Degree	IP65			
Protection Class	Class I			

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.