

Certificate of Conformity

Certificate Number: 180718061GZU-001

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 Test Certificate of Conformity
Models:	Growatt 17000TL3-S, Growatt 17000TL3-SE, Growatt 20000TL3-S Growatt 20000TL3-SE, Growatt 25000TL3-S, Growatt 25000TL3-SE Growatt 30000TL3-S, Growatt 30000TL3-SE, Growatt 33000TL3-S Growatt 33000TL3-SE, Growatt 40000TL3-NS, Growatt 40000TL3-NSE Growatt 50000TL3-S, Growatt 50000TL3-SE
Relevant Standards	IEC 61727 2nd ed.:2004, Photovoltaic (PV) systems – Characteristics of the Utility interface IEC 62116 2nd ed.:2014, Test procedure of islanding prevention measures for Utility-interconnected photovoltaic inverter
Certificate Issuing Office:	Same as Intertek Legal Entity
Date of Tests:	19 Jul., 2018 – 01 Aug., 2018
Test Report Number(s):	180718061GZU-001, 180718061GZU-002

Additional information in Appendix.



Signature

Name: Grady Ye
Position: Manager
Issuing Office: Intertek Legal Entity: Intertek
Testing Services Shenzhen Ltd.
Guangzhou Branch
Date: 07 Aug 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): 180718061GZU-001; The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

MODEL	Growatt 17000 TL3-S Growatt 17000 TL3-SE	Growatt 20000 TL3-S Growatt 20000 TL3-SE	Growatt 25000 TL3-S Growatt 25000 TL3-SE	Growatt 30000 TL3-S Growatt 30000 TL3-SE	Growatt 33000 TL3-S Growatt 33000 TL3-SE
Max PV voltage	1000Vdc				
Voltage range	200-1000Vdc				
MPPT voltage	400-800Vdc			450-800Vdc	
PV Isc	2x45A			2x64A	
Max power(VA)	18800	22200	27700	33300	36600
Max output current	3x27.5 A	3x32.2 A	3x40.3 A	3x48 A	3x54 A
Output voltage	3W/N/PE 230Vac/400Vac				
Nominal Frequency	50/60Hz				
Power Factor	0.8 Leading to 0.8 Lagging				
Ambient Temperature	-25°C - +60°C				
Protection Degree	IP65				
Protection Class	Class I				
MODEL	Growatt 40000 TL3-NS Growatt 40000 TL3-NSE			Growatt 50000 TL3-S Growatt 50000 TL3-SE	
Max PV voltage	1000Vdc				
Voltage range	200-1000Vdc				
MPPT voltage	540-800Vdc			645-850Vdc	
PV Isc	2x64A				
Max power(VA)	44400			53300	
Max output current	3x64 A				
Output voltage	3W/N/PE 230Vac/400Vac			3W/PE or 3W/N/PE 277V/480V	
Nominal Frequency	50/60Hz				
Power Factor	0.8 Leading to 0.8 Lagging				
Ambient Temperature	-25°C - +60°C				
Protection Degree	IP65				
Protection Class	Class I				
Software Version	TH 1.0				

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