

Test Verification of Conformity

Verification Number: 180314109GZU-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 verification is part of the full test report(s) and should be read in conjunction with it ; This verification replaces previous verification number 160816058GZU-001 dated 25-Oct-2016

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 Verification 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

Verification Issuing Office: Same as Intertek Legal Entity

Date of Tests: 14 Mar., 2018 – 20 May., 2018

Test Report Number(s): 160816058GZU-001 and Revision 1: 31 May., 2018
160816058GZU-002 and Revision 1: 31 May., 2018

Additional information in Appendix



Signature

Name: Grady Ye
Position: Manager
Issuing Office: Intertek Legal Entity: Intertek
Testing Services Shenzhen Ltd.
Guangzhou Branch
Date: 01 Jun 2018

This Verification 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 Verification. Only the Client is authorized to permit copying or distribution of this Verification. 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 Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

APPENDIX: Test Verification of Conformity

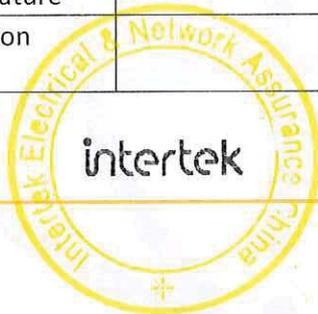
This is an Annex to Test Verification of Conformity with Verification/Report Number(s): 160816058GZU-001 and Revision 1: 31 May., 2018, 160816058GZU-002 and Revision 1: 31 May., 2018; The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

MODEL	Growatt 30000TL3-S, Growatt 30000TL3-SE	Growatt 33000TL3-S, Growatt 33000TL3-SE	Growatt 40000TL3-NS, Growatt 40000TL3-NSE	Growatt 50000TL3-S, Growatt 50000TL3-SE
Max PV voltage	1000Vdc			
Voltage range	200-1000Vdc			
MPPT voltage	450-800Vdc		540-800Vdc	645-850Vdc
Max input current	34A/34A	38A/38A		
PV Isc	64A/64A			
Max power	33.3KVA	36.6KVA	44.4KVA	53.3KVA
Output voltage	3W/N/PE 230Vac/400Vac			3W/PE, 480Vac
Max output current	3*48A	3*54A	3*64A	
Nominal Frequency	50Hz			
Power Factor	0.9 Leading to 0.9 Lagging			
Ambient Temperature	-25°C - +60°C			
Protection Degree	IP65			

Signature

Grady Ye
Name: Grady Ye
Position: Manager
Issuing Office: Intertek Legal Entity: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Date: 01 Jun 2018



APPENDIX: Test Verification of Conformity

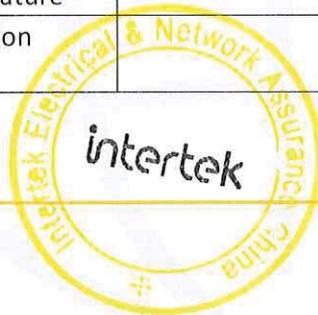
This is an Annex to Test Verification of Conformity with Verification/Report Number(s): 160816058GZU-001 and Revision 1: 31 May., 2018, 160816058GZU-002 and Revision 1: 31 May., 2018; The issuing office is Intertek Legal Entity as above.

Ratings and principal characteristics

MODEL	Growatt 17000TL3-S, Growatt 17000TL3-SE	Growatt 20000TL3-S, Growatt 20000TL3-SE	Growatt 25000TL3-S, Growatt 25000TL3-SE
Max PV voltage	1000Vdc		
Voltage range	200-1000Vdc		
MPPT voltage (full load)	400-800Vdc		
Max input current	37.5/37.5A		
PV Isc	45A/45A		
Max power	18.8KVA	22.2KVA	27.7KVA
Output voltage	3W/N/PE 230Vac/400Vac		
Max output current	3×27.5 A	3×32.2	3×40.3
Nominal Frequency	50Hz		
Power Factor	0.9 Leading to 0.9 Lagging		
Ambient Temperature	-25°C - +60°C		
Protection Degree	IP65		

Signature


Name: Grady Ye
Position: Manager
Issuing Office: Intertek Legal Entity: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Date: 01 Jun 2018



This Verification 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 Verification. Only the Client is authorized to permit copying or distribution of this Verification. 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 Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.