

Test Verification of Conformity

Verification Number: 180314097GZU-001

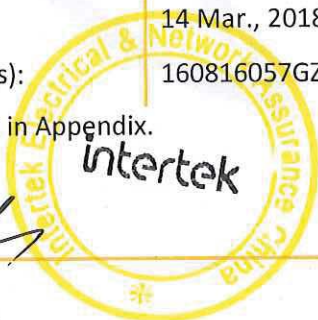
On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it ; This verification replaces previous verification number 160816057GZU-002 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	EN 50438: 2013, Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks Type Verification for Denmark
Verification Issuing Office:	Same as Intertek Legal Entity
Date of Tests:	14 Mar., 2018 – 20 May., 2018
Test Report Number(s):	160816057GZU-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



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APPENDIX: Test Verification of Conformity

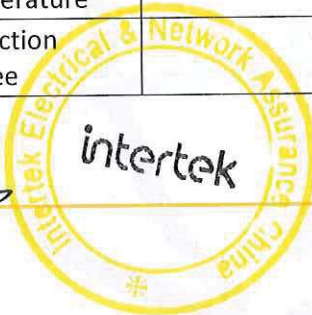
This is an Annex to Test Verification of Conformity with Verification/Report Number(s): 160816057GZU-002 and Revision 1:31 May., 2018. The issuing office is Intertek Legal Entity as above.

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
Max AC output current	3*48A	3*54A	3*64A	3*64A
Output voltage	3W/N/PE 230Vac/400Vac			3W/PE, 480Vac
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



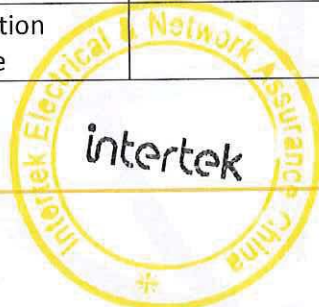
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This is an Annex to Test Verification of Conformity with Verification/Report Number(s): 160816057GZU-002 and Revision 1:31 May., 2018.. The issuing office is Intertek Legal Entity as above.

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	3x27.5 A	3x32.2	3x40.3
Nominal Frequency	50Hz		
Power Factor	0.9 Leading to 0.9 Lagging		
Ambient Temperature	-25°C - +60°C		
Protection Degree	IP65		

Grady Ye



Signature

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