

Certificate of Conformity

Certificate Number: 181224129GZU-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, Growatt 15000TL3-SL, Growatt 20000TL3-SL, Growatt 22000TL3-SL
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:	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:	12 Mar., 2019 – 18 Mar., 2019
Test Report Number(s):	180718061GZU-001, Revision 1: 19 Mar 2019 180718061GZU-002, Revision 1: 19 Mar 2019

Additional information in Appendix.



Signature

Name: Tommy Zhong
Position: Technical Manager
Date: 20 Mar 2019



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APPENDIX: Certificate of Conformity

This is an Annex to Certificate of Conformity with Certificate/Report Number(s): 181224129GZU-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				
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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Ratings and principal characteristics

MODEL	Growatt 15000TL3-SL	Growatt 20000TL3-SL	Growatt 22000TL3-SL
Max PV voltage	800 Vdc		
Voltage range	200-800 Vdc		
MPPT voltage	300-650 Vdc		
PV Isc	2x45 A		
AC nominal power (W)	15000W	20000W	22000W
Max power(VA)	16600 VA	22200 VA	24400 VA
Max output current	3x43.6 A	3x58.3 A	3x64.1 A
Output voltage	3W/N/PE 127/220V		
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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