

Test Verification of Conformity

Verification Number: 180314097GZU-004

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-004 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 Sweden |
| Verification Issuing Office: | Same as Intertek Legal Entity |
| Date of Tests: | 14 Mar., 2018 – 20 May., 2018 |
| Test Report Number(s): | 160816057GZU-004 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-004 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



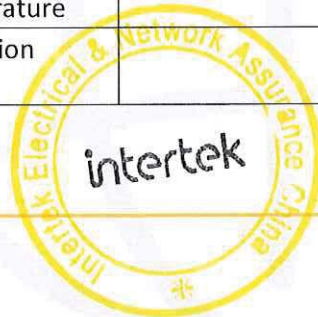
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Ratings and principal characteristics

| 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 | | |

Grady Ye



Signature

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