

# Test Verification of Conformity

Verification Number: 161118015GZU-002 amendment 2

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>. This verification replaces previous verification 161118015GZU-002 amendment 1 dated 08 November 2017

relevant **CE** mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

|   |  |
|---|--|
| Applicant Name & Address:                   | SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO., LTD<br>1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28,<br>GuangHui Road, LongTeng Community, Shiyan Street, Baoan District,<br>Shenzhen, P.R.China |
| Product Description:                        | PV Grid inverter   |
| Models/Type References:                     | Growatt 3000 TL3-S, Growatt 4000 TL3-S, Growatt 5000 TL3-S,<br>Growatt 6000 TL3-S, Growatt 7000 TL3-S, Growatt 8000 TL3-S<br>Growatt 9000 TL3-S, Growatt 10000 TL3-S, Growatt 11000 TL3-S                                  |
| Ratings & Principle Characteristics:        | See Appendix   |
| Brand Name(s):                              | GROWATT  |
| Standard(s)/Directive(s):                   | EN 61000-6-1:2007<br>EN 61000-6-3:2007+A1: 2011<br>EN 61000-6-2:2005<br>EN 61000-6-4:2007+A1:2011<br>EMC Directive 2014/30/EU  |
| Verification Issuing Office Name & Address: | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch<br>Block E, No.7-2 Guang Dong Software Science Park, Caipin Road,<br>Guangzhou Science City, GETDD Guangzhou, China   |
| Test Report Number(s):                      | 161118015GZU-002 amendment 2   |

Additional information in Appendix.

*Helen Ma*

Signature

**Name: Helen Ma**

**Position: Team Leader**

**Date: 28 June 2018**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 161118015GZU-002 amendment 2

### Ratings & Principle Characteristics:

For model: Growatt 3000 TL3-S

DC input:

Max. PV Voltage: 1000Vdc; DC Voltage Range: 140-1000Vdc;

MPPT Voltage Range: 160-800Vdc; PV Isc: 16A/16A

AC output:

Max. Apparent Power: 3.0kVA; Max Output Current: 3\*4.5A;

Nominal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Fre-

quency: 50Hz; Power Factor:0.8 Leading – 0.8 Lagging

Ambient Temperature: -25°C - +60°C

IP65, Class I

For model: Growatt 4000 TL3-S

DC input:

Max. PV Voltage: 1000Vdc; DC Voltage Range: 140-1000Vdc;

MPPT Voltage Range: 200-800Vdc; PV Isc: 16A/16A

AC output:

Max. Apparent Power: 4.0kVA; Max Output Current: 3\*6.1A;

Nominal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Fre-

quency: 50Hz; Power Factor:0.8 Leading – 0.8 Lagging

Ambient Temperature: -25°C - +60°C

IP65, Class I

For model: Growatt 50000 TL3-S

DC input:

Max. PV Voltage: 1000Vdc; DC Voltage Range: 140-1000Vdc;

MPPT Voltage Range: 250-800Vdc; PV Isc: 16A/16A

AC output:

Max. Apparent Power: 5.0kVA; Max Output Current: 3\*7.6A;

Nominal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Fre-

quency: 50Hz; Power Factor:0.8 Leading – 0.8 Lagging

Ambient Temperature: -25°C - +60°C

IP65, Class I

For model: Growatt 6000 TL3-S

DC input:

Max. PV Voltage: 1000Vdc; DC Voltage Range: 140-1000Vdc;

MPPT Voltage Range: 290-800Vdc; PV Isc: 16A/16A

AC output:

Max. Apparent Power: 6.0kVA; Max Output Current: 3\*9.1A; Nomi-

nal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Frequen-

cy: 50Hz; Power Factor:0.8 Leading – 0.8 Lagging

Ambient Temperature: -25°C - +60°C

IP65, Class I

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For model: Growatt 7000 TL3-S  
DC input:  
Max. PV Voltage: 1000Vdc; DC Voltage Range: 160-1000Vdc;  
MPPT Voltage Range: 320-850Vdc; PV Isc: 16A/16A  
AC output:  
Max. Apparent Power: 7.7kVA; Max Output Current: 3\*11.7A;  
Nominal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Frequency:  
50Hz; Power Factor:0.8 Leading – 0.8 Lagging  
Ambient Temperature: -25°C - +60°C  
IP65, Class I

For model: Growatt 8000 TL3-S  
DC input:  
Max. PV Voltage: 1000Vdc; DC Voltage Range: 160-1000Vdc;  
MPPT Voltage Range: 360-850Vdc; PV Isc: 16A/16A  
AC output:  
Max. Apparent Power: 8.8kVA; Max Output Current: 3\*13.3A;  
Nominal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Frequency:  
50Hz; Power Factor:0.8 Leading – 0.8 Lagging  
Ambient Temperature: -25°C - +60°C  
IP65, Class I

For model: Growatt 9000 TL3-S  
DC input:  
Max. PV Voltage: 1000Vdc; DC Voltage Range: 160-1000Vdc;  
MPPT Voltage Range: 400-850Vdc; PV Isc: 16A/16A  
AC output:  
Max. Apparent Power: 9.9kVA; Max Output Current: 3\*15A; Nominal Output Voltage:  
3W/N/PE 230Vac/400Vac; Nominal Frequency:  
50Hz; Power Factor:0.8 Leading – 0.8 Lagging  
Ambient Temperature: -25°C - +60°C  
IP65, Class I

For model: Growatt 10000 TL3-S  
DC input:  
Max. PV Voltage: 1000Vdc; DC Voltage Range: 160-1000Vdc;  
MPPT Voltage Range: 450-850Vdc; PV Isc: 16A/16A  
AC output:  
Max. Apparent Power: 11kVA; Max Output Current: 3\*16.7A; Nominal Output Voltage:  
3W/N/PE 230Vac/400Vac; Nominal Frequency:  
50Hz; Power Factor:0.8 Leading – 0.8 Lagging  
Ambient Temperature: -25°C - +60°C  
IP65, Class I

For model: Growatt 11000 TL3-S  
DC input:  
Max. PV Voltage: 1000Vdc; DC Voltage Range: 160-1000Vdc;  
MPPT Voltage Range: 450-850Vdc; PV Isc: 16A/16A  
AC output:  
Max. Apparent Power: 12.1kVA; Max Output Current: 3\*18.3A;  
Nominal Output Voltage: 3W/N/PE 230Vac/400Vac; Nominal Frequency:  
50Hz; Power Factor:0.8 Leading – 0.8 Lagging  
Ambient Temperature: -25°C - +60°C  
IP65, Class I

*Helen Ma*

Signature

Name: Helen Ma

Position: Team Leader

Date: 28 June 2018

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