Certificate of Conformity

Certificate Number: CN-PV-210192

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Shenzhen Growatt New Energy CO., Ltd 4-13/F, Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China.
Product:	PV Grid inverter & Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix to Certificate of Conformity
Models:	MOD 3000TL3-X, MOD 4000TL3-X, MOD 5000TL3-X, MOD 6000TL3-X, MOD 7000TL3-X, MOD 8000TL3-X, MOD 9000TL3-X, MOD 10KTL3-X, MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X, MOD 3000TL3-XH, MOD 4000TL3-XH, MOD 5000TL3-XH, MOD 6000TL3-XH, MOD 7000TL3-XH, MOD 8000TL3-XH, MOD 9000TL3-XH, MOD 10KTL3-XH
Brand Name:	Growatt
Tested according to:	EN 50549-1: 2019, Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including Type B Type approval for type B and with deviations according to the national network and interface protection for Portugal, Netherlands, Poland, Turkey and Finland
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Test Reports No:	200427169GZU-001, Revision 1 31 Aug 2021

According to Annex H of the standard EN 50549-1:2019, generating plants compliant with the clauses of this European Standard are considered to be compliant with the relevant Article of COMMISSION REGULATION (EU) 2016/631, provided, that all settings as provided by the DSO and the responsible party are complied with. Additional information in Appendix.

Signature

Certification Manager: Grady Ye
Date: 06 Sep 2021

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210192

Model	MOD 3000TL3-X	MOD 4000TL3-X	MOD 5000TL3-X	MOD 6000TL3-X
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A			
Max. input current	2*13A			
Max. output power	3000W	4000W	5000W	6000W
Max. apparent power	3300VA	4400VA	5500VA	6600VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	5.0A	6.7A	8.3A	10.0A
Nominal output frequency	50/60 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25℃ - +60℃			
Software version	DL 1.0			

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APPENDIX: Certificate of Conformity

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Model	MOD 7000TL3-X	MOD 8000TL3-X	MOD 9000TL3-X	MOD 10KTL3-X
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A			
Max. input current	2*13A			
Max. output power	7000W	8000W	9000W	10000W
Max. apparent power	7700VA	8800VA	9900VA	11000VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	11.7A	13.3A	15.0A	16.7A
Nominal output frequency	50/60 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25℃ - +60℃			
Software version	DL 1.0			

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Model	MOD 11KTL3-X	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A	16/32A		
Max. input current	2*13A	13/26A		
Max. output power	11000W	12000W	13000W	15000W
Max. apparent power	12100VA	13200VA	14300VA	16500VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	18.3A	20.0A	21.7A	25.0A
Nominal output frequency	50/60 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25℃ - +60℃			
Software version	DL 1.0			

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APPENDIX: Certificate of Conformity

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Model	MOD 3000TL3-XH	MOD 4000TL3-XH	MOD 5000TL3-XH	MOD 6000TL3-XH
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	20A*2			
Max. input current	16A*2			
Max. output power	3000W	4000W	5000W	6000W
Max. apparent power	3300VA	4400VA	5500VA	6600VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	5.0A	6.7A	8.3A	10.0A
Nominal output frequency	50/60 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25℃ - +60℃			
Software version	DN 1.0			

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Model	MOD 7000TL3-XH	MOD 8000TL3-XH	MOD 9000TL3-XH	MOD 10KTL3-XH
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	20A*2			
Max. input current	16A*2			
Max. output power	7000W	8000W	9000W	10000W
Max. apparent power	7700VA	8800VA	9900VA	11000VA
Nominal output voltage	3W/N/PE 230/400Vac			
Max. output current	11.7A	13.3A	15.0A	16.7A
Nominal output frequency	50/60 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25℃ - +60℃			
Software version	DN 1.0			

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