

Certificate of Conformity

Certificate Number: CN-PV-210191

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. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) 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 of Certificate of Conformity
Model:	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<s>:	GROWATT
Tested according to:	DIN V VDE V 0126-1-1:2013.08 Automatic disconnecting device Enedis-PRO-RES_10E_2020 (max(f)=51,5 Hz) Compliant with VFR2019
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 Report No.<s>:	200427166GZU-003, Revision 2 31 Aug 2021

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-210191

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

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Model	MOD 7000TL3-X	MOD 8000TL3-X	MOD 9000TL3-X	MOD 10KTL3-X
Max. PV voltage	1100 d.c.V			
PV voltage range	140-1000 d.c.V			
PV Isc	16 d.c.A*2			
Max. input current	13 d.c.A*2			
Max. output power	7000 W	8000 W	9000 W	10000 W
Max. apparent power	7700 VA	8800 VA	9900 VA	11000 VA
Nominal output voltage	3W/N/PE 230/400 a.c.V			
Max. output current	11.7A	13.3A	15.0A	16.7A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25°C ~ +60°C			
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	1100 d.c.V			
PV voltage range	140-1000 d.c.V			
PV Isc	16 d.c.A*2	16/32 d.c.A		
Max. input current	13 d.c.A*2	13/26 d.c.A		
Max. output power	11000 W	12000 W	13000 W	15000 W
Max. apparent power	12100 VA	13200 VA	14300 VA	16500 VA
Nominal output voltage	3W/N/PE 230/400 a.c.V			
Max. output current	18.3 a.c.A	20.0 a.c.A	21.7 a.c.A	25.0 a.c.A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-25°C ~ +60°C			
Software Version	DL 1.0			

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Model	MOD 3000TL3-XH	MOD 4000TL3-XH	MOD 5000TL3-XH	MOD 6000TL3-XH
Max. PV voltage	1100 d.c.V			
PV voltage range	140-1000 d.c.V			
PV Isc	20 d.c.A*2			
Max. input current	16 d.c.A*2			
Max. output power	3000W	4000W	5000W	6000W
Max. apparent power	3300VA	4400VA	5500VA	6600VA
Nominal output voltage	3W/N/PE 230/400 a.c.V			
Max. output current	5.0 a.c.A	6.7 a.c.A	8.3 a.c.A	10.0 a.c.A
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°C ~ +60°C			
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	1100 d.c.V			
PV voltage range	140-1000 d.c.V			
PV Isc	20 d.c.A*2			
Max. input current	16 d.c.A*2			
Max. output power	7000W	8000W	9000W	10000W
Max. apparent power	7700VA	8800VA	9900VA	11000VA
Nominal output voltage	3W/N/PE 230/400 a.c.V			
Max. output current	11.7 a.c.A	13.3 a.c.A	15.0 a.c.A	16.7 a.c.A
Nominal output frequency	50/60 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Safety level	Class I			
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