

Certificate of Conformity

Certificate Number: CN-PV-210294

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, MOD 11KTL3-XH, MOD 12KTL3-XH, MOD 13KTL3-XH, MOD 15KTL3-XH
Brand Name<s>:	GROWATT
Product Complies with:	TOR Erzeuger Typ A Version 1.1:12.12.2019 OVE-Richtlinie R 25:2020-03-01 Connection and parallel operation of power generation plants of type A and of small generation plants (maximum capacity <250 kW and nominal voltage <110 kV) In junction with OVE-Richtlinie R 25:2020-03-01
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	200427181GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 27 December 2021



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210294.

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 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	DL 1.0			

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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 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	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 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	DL 1.0			

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Model	MOD 3000TL3-XH	MOD 4000TL3-XH	MOD 5000TL3-XH	MOD 6000TL3-XH
PV data				
Max. PV voltage	1100Vdc			
PV voltage range	140-1000Vdc			
PV Isc	20A*2			
Max. input current	16A*2			
DC data				
Max. DC voltage	1100Vdc			
DC voltage range	600-950Vdc			
Max. DC current	11A			
Max. input / output power	6000/3300W	6000/4400W	6000/5500W	6000/6600W
AC data				
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 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Others				
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
PV data				
Max. PV voltage	1100Vdc			
PV voltage range	140-1000Vdc			
PV Isc	20A*2			
Max. input current	16A*2			
DC data				
Max. DC voltage	1100Vdc			
DC voltage range	600-950Vdc			
Max. DC current	18.5A			
Max. input / output power	10/7.7KW	10/8.8KW	10/9.9KW	10/11KW
AC data				
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 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Others				
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 11KTL3-XH	MOD 12KTL3-XH	MOD 13KTL3-XH	MOD 15KTL3-XH
PV data				
Max. PV voltage	1100Vdc			
PV voltage range	140 – 1000Vdc			
PV Isc	2*16A		2*16A	
Max. input current	2*13A		2*13A	
DC data				
Max. DC voltage	1100Vdc			
DC voltage range	600-950Vdc			
Max. DC current	18.5A			
Max. input / output power	10/12.1KW	10/13.2KW	10/14.3KW	10/16.5KW
AC data				
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 Hz			
Power factor range	0.8Leading to 0.8Lagging			
Others				
Safety level	Class I			
Ingress protection	IP66			
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