

# Certificate of Conformity

Certificate Number: CN-PV-220089

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.

<b>Applicant:</b>	Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China.
<b>Product:</b>	PV Grid inverter & Hybrid Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	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
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	DIN V VDE V 0126-1-1:2013 Automatic disconnecting device
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> 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
<b>Test Report No.&lt;s&gt;:</b>	200427166GZU-001, Revision 1: 20 Apr 2022

Additional information in Appendix.



Signature

**Certification Manager: Grady Ye**  
**Date: 25 April 2022**



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220089

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			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220089

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	11.7 a.c.A	13.3 a.c.A	15.0 a.c.A	16.7 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			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220089

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			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220089

Model	MOD 3000TL3-XH	MOD 4000TL3-XH	MOD 5000TL3-XH	MOD 6000TL3-XH
PV data				
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			
DC data				
Max. DC voltage	1100 d.c.V			
DC voltage range	600-950 d.c.V			
Max. DC current	11 d.c.A			
Max. input/out power	6000/3300 W	6000/4400 W	6000/5500 W	6000/6600 W
AC data				
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			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220089

Model	MOD 7000TL3-XH	MOD 8000TL3-XH	MOD 9000TL3-XH	MOD 10KTL3-XH
PV data				
Max. PV voltage	1100 d.c.V			
PV voltage range	140-1000 d.c.V			
PV I <sub>sc</sub>	20 d.c.A*2			
Max. input current	16 d.c.A*2			
DC data				
Max. DC voltage	1100 d.c.V			
DC voltage range	600-950 d.c.V			
Max. DC current	18.5 d.c.A			
Max. input/out power	10/7.7 KW	10/8.8 KW	10/9.9 KW	10/11 KW
AC data				
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			
Ingress protection	IP66			
Operation ambient temperature	-25°C ~ +60°C			
Software Version	DN 1.0			

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.