

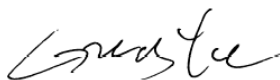
# Certificate of Conformity

Certificate Number: CN-PVES-250029

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>	Hybrid Inverter & AC Coupled Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	MOD 3000TL3-HU, MOD 4000TL3-HU, MOD 5000TL3-HU, MOD 6000TL3-HU, MOD 7000TL3-HU MOD 8000TL3-HU, MOD 9000TL3-HU, MOD 10KTL3-HU, MOD 11KTL3-HU, MOD 12KTL3-HU, MOD 13KTL3-HU, MOD 15KTL3-HU, MOD 6000TL3-HU-L,MOD 8000TL3-HU-L,MOD 10KTL3-HU-L.
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	EN 50549-1:2019/A1:2023, 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 EN 50549-10:2022, Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units Type approval for type A and B
<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>	240621126GZU-001, 07 January 2025

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:17 January 2025**



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-PVES-250029

Model	MOD 3000TL3-HU	MOD 4000TL3-HU	MOD 5000TL3-HU	MOD 6000TL3-HU
PV				
Max. DC input voltage	1000Vdc			
MPPT voltage range	140 – 1000Vdc			
PV maximum current	20A/20A			
Max. PV Isc	25A/25A			
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	25A	25A	25A	25A
Max. discharge power	3kW	4kW	5kW	6kW
Max. charge power	9kW	12kW	15kW	15kW
AC parameter				
Rated input/output power	6kW/ 3kW	8kW/ 4kW	10kW/ 5kW	12kW/ 6kW
Max. input/output apparent power	6kVA/ 3.3kVA	8kVA/ 4.4kVA	10kVA/ 5.5kVA	12kVA/ 6.6kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	9.1A/ 5A	12.1A/ 6.7A	15.2A/ 8.3A	18.2A/ 10A
Rated power factor (with rated power)	>0.99			

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.

Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	5.5A	7.3A	9.1A	10.9A
Max. apparent power	3.6kVA	4.8kVA	6kVA	7.2kVA
Power factor range	0.8Leading ~ 0.8Lagging			
Others				
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DO1.0			

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-PVES-250029

Model	MOD 7000TL3-HU	MOD 8000TL3-HU	MOD 9000TL3-HU	MOD 10KTL3-HU
PV				
Max. DC input voltage	1000Vdc			
MPPT voltage range	140 – 1000Vdc			
PV maximum current	20A/20A		20A/20A/20A	
Max. PV Isc	25A/25A		25A/25A/25A	
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	25A			
Max. discharge power	7kW	8kW	9kW	10kW
Max. charge power	15kW	15kW	15kW	15kW
AC parameter				
Rated input/output power	14kW/ 7kW	16kW/ 8kW	18kW/ 9kW	20kW/ 10kW
Max. input/output apparent power	14kVA/ 7.7kVA	16kVA/ 8.8kVA	18kVA/ 9.9kVA	20kVA/ 11kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	21.2A/ 11.7A	24.2A/ 13.3A	27.3A/ 15A	30.3A/ 16.7A
Rated power factor (with rated power)	>0.99			

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.

Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	12.7A	14.5A	16.4A	18.2A
Max. apparent power	8.4kVA	9.6kVA	10.8kVA	12kVA
Power factor range	0.8Leading ~ 0.8Lagging			
Others				
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DO1.0			

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-PVES-250029

Model	MOD 11KTL3-HU	MOD 12KTL3-HU	MOD 13KTL3-HU	MOD 15KTL3-HU
PV				
Max. DC input voltage	1000Vdc			
MPPT voltage range	140 – 1000Vdc			
PV maximum current	20A/20A/20A			
Max. PV Isc	25A/25A/25A			
DC battery				
Compatible battery	APX 5.0-30.0P-S2			
Operating voltage range	600Vdc ~ 980Vdc			
Max. operating current	25A			
Max. discharge power	11kW	12kW	13kW	15kW
Max. charge power	15kW	15kW	15kW	15kW
AC parameter				
Rated input/output power	22kW/ 11kW	24kW/ 12kW	26kW/ 13kW	30kW/ 15kW
Max. input/output apparent power	22kVA/ 12.1kVA	24kVA/ 13.2kVA	26kVA/ 14.3kVA	30kVA/ 16.5kVA
Rated output voltage	220V/380V 230V/400V			
Rated output frequency	50/60 Hz			
Max. input/output current	33.3A/ 18.3A	36.4A/ 20A	39.4A/ 21.7A	45.5A/ 25A
Rated power factor (with rated power)	>0.99			

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.

Power factor range	0.8Leading ~ 0.8Lagging			
Type of grid connection	3W+N+PE/3W+PE			
AC output (backup)				
Rated output voltage	220/230Vac			
Nominal frequency	50Hz/60Hz			
Maximum output current	20A	21.8A	23.6A	27.3A
Max. apparent power	13.2kVA	14.4kVA	15.6kVA	18kVA
Power factor range	0.8Leading ~ 0.8Lagging			
Others				
Ingress protection	IP66			
Protection class	Class I			
Operating temperature range	-25°C - +60°C			
Software version	DO1.0			

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-PVES-250029

Model	MOD 6000TL3-HU-L	MOD 8000TL3-HU-L	MOD 10KTL3-HU-L
PV			
Max. DC input voltage	850Vdc		
MPPT voltage range	140 – 800Vdc		
PV maximum current	20A/20A/20A		
Max. PV Isc	25A/25A/25A		
DC battery			
Compatible battery	APX 5.0-30.0P-S2		
Operating voltage range	560 V ~ 850 V		
Max. operating current	26.8A		
Max. discharge power	6kW	8kW	10kW
Max. charge power	15kW	15kW	15kW
AC parameter			
Rated input/output power	9kW/6kW	12kW/8kW	15kW/10kW
Max. input/output apparent power	9kVA/6kVA	12kVA/8kVA	15kVA/10kVA
Rated output voltage	127V/220V 133V/230V		
Rated output frequency	50/60 Hz		
Max. input/output current	23.6A/15.7A	31.5A/21.0A	39.4A/26.2A
Rated power factor (with rated power)	>0.99		

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.



Power factor range	0.8Leading ~ 0.8Lagging		
Type of grid connection	3W+PE/3W+N+PE		
AC output (backup)			
Rated output voltage	127/133Vac		
Nominal frequency	50Hz/60Hz		
Maximum output current	15.7A	21.0A	26.2A
Max. apparent power	6kVA	8kVA	10kVA
Power factor range	0.8Leading ~ 0.8Lagging		
Others			
Ingress protection	IP66		
Protection class	Class I		
Operating temperature range	-25°C - +60°C		
Software version	DO1.0		

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.