

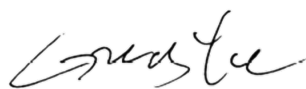
# Certificate of Conformity

Certificate Number: CN-PV-230317

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>	Anti-backflow system
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	MAX 80KTL3-X LV, MAX 100KTL3-X LV, MAX 110KTL3-X LV, MAX 120KTL3-X LV, MAX 125KTL3-X LV, MAX 133KTL3-X LV MAX 80KTL3-X2 LV, MAX 100KTL3-X2 LV, MAX 110KTL3-X2 LV, MAX 120KTL3-X2 LV, MAX 125KTL3-X2 LV, MAX 133KTL3-X2 LV
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	UNE 217001: 2020 Requirements and tests for systems intended to avoid the energy transmission to the distribution network Type approval and compliance according to requirements of Anexo I, ITC-BT- 40(RD 244/2019)
<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>	230314166GZU-001

Additional information in Appendix.



Signature

**Certification Manager: Grady Ye**  
**Date: 08 June 2023**



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230317.

Model	MAX 80KTL3-X LV	MAX 100KTL3-X LV	MAX 110KTL3-X LV
Max.PV voltage	1100Vdc		
PV voltage range	180V – 1000Vdc		
Max.input current	32A*7	32A*10	
PV Isc	40A*7	40A*10	
Number of strings per MPPT	2		
Nominal output voltage	3W/N/PE, 230/400Vac		
Nominal output Frequency	50Hz		
Max. output current	133.7A	167.1A	183.8A
Max. output power	80KW	100KW	110KW
Max. apparent power	88KVA	110KVA	121KVA
Power factor range	0.8Leading – 0.8 lagging		
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-30℃ - +60℃		
Software version	TN1.0		

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230317.

Model	MAX 120KTL3-X LV	MAX 125KTL3-X LV	MAX 133KTL3-X LV
Max.PV voltage	1100Vdc		
PV voltage range	180V – 1000Vdc		
Max.input current	32A*10		
PV Isc	40A*10		
Number of strings per MPPT	2		
Nominal output voltage	3W/N/PE, 230/400Vac		
Nominal output Frequency	50Hz		
Max. output current	200.5A	208.9A	222.3A
Max. output power	120KW	125KW	133KW
Max.apparent power	132KVA	137.5KVA	146.3KVA
Power factor range	0.8Leading – 0.8 lagging		
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-30°C - +60°C		
Software version	TN1.0		

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## APPENDIX: Certificate of Conformity

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Model	MAX 80KTL3-X2 LV	MAX 100KTL3-X2 LV	MAX 110KTL3-X2 LV
Max.PV voltage	1100Vdc		
PV voltage range	180V – 1000Vdc		
Max.input current	45A*8		
PV Isc	56.5A*8		
Number of strings per MPPT	2		
Nominal output voltage	3W/N/PE, 230/400Vac		
Nominal output Frequency	50Hz		
Max. output current	133.7A	167.1A	183.8A
Max. output power	80KW	100KW	110KW
Max. apparent power	88KVA	110KVA	121KVA
Power factor range	0.8Leading – 0.8 lagging		
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-30°C - +60°C		
Software version	TN1.0		

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Model	MAX 120KTL3-X2 LV	MAX 125KTL3-X2 LV	MAX 133KTL3-X2 LV
Max.PV voltage	1100Vdc		
PV voltage range	180V – 1000Vdc		
Max.input current	45A*8		
PV Isc	56.5A*8		
Number of strings per MPPT	2		
Nominal output voltage	3W/N/PE, 230/400Vac		
Nominal output Frequency	50Hz		
Max. output current	200.5A	208.9A	222.3A
Max. output power	120KW	125KW	133KW
Max.apparent power	132KVA	137.5KVA	146.3KVA
Power factor range	0.8Leading – 0.8 lagging		
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-30°C - +60°C		
Software version	TN1.0		

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230317.

### List of installation components 1:

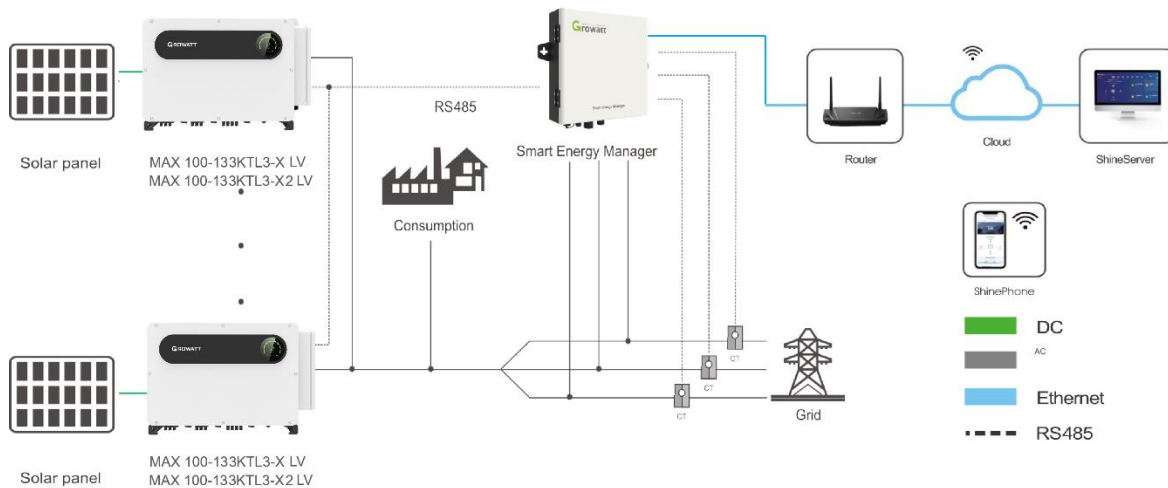
Type of appliance/ Installation.....:	Three-Phase Smart meter / DIN-Rail
Manufacturer / Distributor / Installer:	Zhejiang CHINT Instrument&Meter Co., Ltd.
Brand.....:	CHINT
Model/Type.....:	DTSU666
Rating.....:	230/400Vac, 0.05~1.5(6)A with CT1 (Trade mark: Acrel, Model: AKH-0.66-K-60*40, Ratio 600:5 ); CT2 (Trade mark: Acrel, Model: AKH-0.66-K-160*80, Ratio 2000:5); CT3 ((Trade mark: Acrel, Model: AKH-0.66-K-160*80, Ratio 4000:5); 50/60Hz, 6400imp/KWh Power accuracy:1% IP54
Type of appliance/ Installation.....:	Firmware Version:V3.09
Manufacturer / Distributor / Installer:	Smart Energy Manager
Brand.....:	Shenzhen Growatt New Energy Co., Ltd
Model/Type.....:	GROWATT
Rating.....:	SEM AC input: 3W/N/PE, 230V/400Vac, 50/60Hz AC voltage Range: 180-540Vac AC nominal current: 5A IP66, -25℃ - +60℃

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## APPENDIX: Certificate of Conformity

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### Installation scheme:



### Maximum number of inverters to be connected in parallel is:

- Using smart meter DTSU666 combined with CT (Trade mark: Acrel, Model: AKH-0.66-K-60\*40, Ratio 600:5), maximum number of inverters connected in parallel are 2
- Using smart meter DTSU666 combined with CT (Trade mark: Acrel, Model: AKH-0.66-K-160\*80, Ratio 2000:5), maximum number of inverters connected in parallel are 9
- Using smart meter DSTU666 combined with CT (Trade mark: Acrel, Model: AKH-0.66-K-160\*80, Ratio 4000:5), maximum number of inverters connected in parallel are 11

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