

# Certificate of Conformity

Certificate Number: CN-PV-230498

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
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	MID 11KTL3-XH, MID 12KTL3-XH, MID 13KTL3-XH, MID 15KTL3-XH, MID 17KTL3-XH, MID 20KTL3-XH, MID 25KTL3-XH, MID 30KTL3-XH MID 11KTL3-XA, MID 12KTL3-XA, MID 13KTL3-XA, MID 15KTL3-XA, MID 17KTL3-XA, MID 20KTL3-XA, MID 25KTL3-XA, MID 30KTL3-XA
<b>Brand Name&lt;s&gt;:</b>	GROWATT
<b>Product Complies with:</b>	TOR Erzeuger Typ A Version 1.2: 18 April 2022 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) OVE-Richtlinie R 25:2020-03-01
<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>	230315052GZU-001

Additional information in Appendix.

Signature

Certification Manager: Grady Ye

Date: 29 August 2023



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230498

Model	MID 11KTL3- XH	MID 12KTL3- XH	MID 13KTL3- XH	MID 15KTL3- XH	MID 17KTL3- XH
PV data					
Max. PV voltage	1100 d.c.V				
PV voltage range	160-1000 d.c.V				
Full Load MPP voltage range	335V-800 d.c.V				
Max.input current	32 d.c.A*2				
PV Isc	40 d.c.A*2				
DC data					
Max. DC voltage	1100 d.c.V				
DC voltage range	600-980 d.c.V				
Max. DC current	25 d.c.A*2				
Max. input/output power	30/11kW	30/12kW	30/13kW	30/15kW	30/17kW
AC data					
AC rated power	11kW	12kW	13kW	15kW	17kW
Max. apparent power	12.1kVA	13.2kVA	14.3kVA	16.5kVA	18.7kVA
Nominal output voltage	3W/N/PE, 230/400 a.c.V				
Nominal output Frequency	50Hz				
Max. input/output current	18.3/18.3 a.c.A	20/20 a.c.A	21.7/21.7 a.c.A	25/25 a.c.A	28.3/28.3 a.c.A
Power factor range	0.8Leading~0.8Lagging				
Safety level	Class I				
Ingress Protection	IP 66				
Operation Ambient Temperature	-25°C - +60°C				
Software version	DN1.0				

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Model	MID 20KTL3-XH	MID 25KTL3-XH	MID 30KTL3-XH
PV data			
Max. PV voltage	1100 d.c.V		
PV voltage range	160-1000 d.c.V		
Full Load MPP voltage range	335V-800 d.c.V		
Max.input current	32 d.c.A*2	32 d.c.A*3	
PV Isc	40 d.c.A*2	40 d.c.A*3	
DC data			
Max. DC voltage	1100 d.c.V		
DC voltage range	600-980 d.c.V		
Max. DC current	25 d.c.A*2		
Max. input/output power	30/20kW	30/25kW	30/30kW
AC data			
AC rated power	20kW	25kW	30kW
Max. apparent power	22.0kVA	27.5kVA	30.0kVA
Nominal output voltage	3W/N/PE, 230/400 a.c.V		
Nominal output Frequency	50Hz		
Max. input/output current	33.3/33.3 a.c.A	41.6/41.6 a.c.A	45.5/45.5 a.c.A
Power factor range	0.8Leading~0.8Lagging		
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-25°C - +60°C		
Software version	DN1.0		

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Model	MID 11KTL3- XA	MID 12KTL3- XA	MID 13KTL3- XA	MID 15KTL3- XA	MID 17KTL3- XA
AC input/output data					
Nominal input/output power	11/11kW	12/12kW	13/13kW	15/15kW	17/17kW
AC rated power	11kW	12kW	13kW	15kW	17kW
Max. apparent power	11kVA	12kVA	13kVA	15kVA	17kVA
Nominal voltage	3W/N/PE, 230/400 a.c.V				
Max input/output current	16.7/16.7 a.c.A	18.2/18.2 a.c.A	19.7/19.7 a.c.A	22.7/22.7 a.c.A	25.8/25.8 a.c.A
Nominal output Frequency	50Hz				
Power factor range	0.8Leading~0.8Lagging				
Battery data					
Battery voltage range	600-980 d.c.V				
Max. charging and discharging current	18.3 d.c.A	20 d.c.A	21.7 d.c.A	25 d.c.A	28.3 d.c.A
Type of battery	Lithium				
Others					
Safety level	Class I				
Ingress Protection	IP 66				
Operation Ambient Temperature	-25°C - +60°C				
Software version	DN1.0				

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Model	MID 20KTL3-XA	MID 25KTL3-XA	MID 30KTL3-XA
AC input/output data			
Nominal input/output power	20/20kW	25/25kW	30/30kW
AC rated power	20kW	25kW	30kW
Max. apparent power	20kVA	25kVA	30kVA
Nominal voltage	3W/N/PE, 230/400 a.c.V		
Max input/output current	30.3/30.3 a.c.A	37.9/37.9 a.c.A	45.5/45.5 a.c.A
Nominal output Frequency	50Hz		
Power factor range	0.8Leading~0.8Lagging		
Battery data			
Battery voltage range	600-980 d.c.V		
Max. charging and discharging current	33.3 d.c.A	41.7 d.c.A	50 d.c.A
Type of battery	Lithium		
Others			
Safety level	Class I		
Ingress Protection	IP 66		
Operation Ambient Temperature	-25°C - +60°C		
Software version	DN1.0		

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