Certificate of Conformity

Certificate Number: CN-PVES-260431

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 Room 101, Building 1, Smart Green Energy Industrial Park, Buildings 1 to 7, No. 291 Yunchang Road, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Product:	Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	MINA XkTL-HU-Y (X, Y are variables. X=3, 3.6, 4.2,4.6, 5, 5.75, 6, 8, 10; Y=1, 2, 3, 4, 5, 6, 7) MINA XkTL-HU (X is variables. X=3, 3.6, 4.2,4.6, 5, 5.75, 6, 8, 10)
Brand Name<s>:	GROWATT
Product Complies with:	IEC/EN 62109-1: 2010 IEC/EN 62109-2: 2011
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd 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>:	260618050GZC-001, 20 Oct, 2026 260618050GZC-002, 20 Oct, 2026

Additional information in Appendix.

Mira Xiao

Signature

Certification Manager: Mira Xiao
Date: 23 October 2026

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260431

Model	MINA 3kTL-HU-Y, MINA 3kTL-HU	MINA 3.6kTL-HU-Y, MINA 3.6kTL-HU	MINA 4.2kTL-HU-Y, MINA 4.2kTL-HU	MINA 4.6kTL-HU-Y, MINA 4.6kTL-HU
PV input				
VMAX PV [Vdc]	600			
ISC PV [A]	25/25/25 For Inverter: 26/26/26			
MPP Voltage Range VMPP [Vdc]	40-550			
Full load MPP Voltage Range VMPP [Vdc]	55-500	65-500	75-500	85-500
Max. Input Current IMAX [A]	20/20/20			
Number of MPPT trackers	3			
Overvoltage Category (OVC)	II			
AC input				
Rated Input Voltage [Vac]	230			
Rated Input Frequency Fn [Hz]	50/60			
Max. Input Current Imax [A]	13	15.7	18.3	20
Battery				
Rated input voltage [V]	400			
Input voltage range [V]	350-550			
Max. charge/discharge current [A]	30/9	30/10.8	30/12.6	30/13.8
Battery Type	Li-ion or Lead-acid			
Note: Y are variables, Y=1, 2, 3, 4, 5, 6, 7.				

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This is an Appendix to Certificate of Conformity Number: CN-PVES-260431

Model	MINA 3kTL-HU-Y, MINA 3kTL-HU	MINA 3.6kTL-HU-Y, MINA 3.6kTL-HU	MINA 4.2kTL-HU-Y, MINA 4.2kTL-HU	MINA 4.6kTL-HU-Y, MINA 4.6kTL-HU
AC output				
Rated Output Voltage [Vac]	230			
Rated Output Frequency Fn [Hz]	50/60			
Rated Active Power Pn [W]	3000	3600	4200	4600
Max. Active Power PEmax [W]	3000	3600	4200	4600
Rated Apparent power Sn [VA]	3000	3600	4200	4600
Max. Apparent power SEmax [VA]	3000	3600	4200	4600
Max. Output Current Imax [A]	13	15.7	18.3	20
Power Factor Range cosϕ [λ]	0.80un...0.80ov			
Overvoltage Category (OVC)	III			
System				
Hardware version	V1.0			
Software version	AN1.0			
Type of inverter	Non-isolated			
Type of NS Protection	Integrated			
Noise emission (dB)	≤35			
Protective Class	Class I			
Enclosure Protection (IP)	IP66			
Operating Temperature Range [ºC]	-20 to +55 (derating >45) For Inverter: -30 to +60 (derating >45)			
Pollution degree (PD)	PD3(External), PD2(Internal)			
Altitude [m]	4000			
Size [mm] Width* Height*Depth	For 5kwh Pack Use: Inverter: 590*345*255 Battery module: 590*265*255 For 7kwh Pack Use: Inverter: 740*345*255 Battery module: 740*265*255			
Weight [kg]	For 7kwh Pack Use: Inverter: 28.5 Battery module: 56.8 For 5kwh Pack Use: Inverter: 27.2 Battery module: 45			
Note: Y are variables, Y=1, 2, 3, 4, 5, 6, 7.				

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260431

Model	MINA 5kTL-HU-Y, MINA 5kTL-HU	MINA 5.75kTL-HU-Y, MINA 5.75kTL-HU	MINA 6kTL-HU-Y, MINA 6kTL-HU	MINA 8kTL-HU-Y, MINA 8kTL-HU	MINA 10kTL-HU-Y, MINA 10kTL-HU
PV input					
VMAX PV [Vdc]	600				
ISC PV [A]	25/25/25 For Inverter: 26/26/26				
MPP Voltage Range VMPP [Vdc]	40-550				
Full load MPP Voltage Range VMPP [Vdc]	90-500	105-500	110-500	145-500	180-500
Max. Input Current IMAX [A]	20/20/20				
Number of MPPT trackers	3				
Overvoltage Category (OVC)	II				
AC input					
Rated Input Voltage [Vac]	230				
Rated Input Frequency Fn [Hz]	50/60				
Max. Input Current Imax [A]	21.7	25	26	34.8	43.5
Battery					
Rated input voltage [V]	400				
Input voltage range [V]	350-550				
Max. charge/discharge current [A]	30/15	30/17.5	30/18	30/24	30/30
Battery Type	Li-ion or Lead-acid				
Note: Y are variables, Y=1, 2, 3, 4, 5, 6, 7.					

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Model	MINA 5kTL-HU-Y, MINA 5kTL-HU	MINA 5.75kTL-HU-Y, MINA 5.75kTL-HU	MINA 6kTL-HU-Y, MINA 6kTL-HU	MINA 8kTL-HU-Y, MINA 8kTL-HU	MINA 10kTL-HU-Y, MINA 10kTL-HU
AC output					
Rated Output Voltage [Vac]	230				
Rated Output Frequency Fn [Hz]	50/60				
Rated Active Power Pn [W]	5000	5750	6000	8000	9990
Max. Active Power PEmax [W]	5000	5750	6000	8000	9990
Rated Apparent power Sn [VA]	5000	5750	6000	8000	9990
Max. Apparent power SEmax [VA]	5000	5750	6000	8000	9990
Max. Output Current Imax [A]	21.7	25	26.0	34.8	43.5
Power Factor Range cosϕ [λ]	0.80un…0.80ov				
Overvoltage Category (OVC)	III				
System					
Hardware version	V1.0				
Software version	AN1.0				
Type of inverter	Non-isolated				
Type of NS Protection	Integrated				
Noise emission (dB)	≤35				
Protective Class	Class I				
Enclosure Protection (IP)	IP66				
Operating Temperature Range [ºC]	-20 to +55 (derating >45) For Inverter: -30 to +60 (derating >45)				
Pollution degree (PD)	PD3(External), PD2(Internal)				
Altitude [m]	4000				
Size [mm] Width* Height*Depth	For 5kwh Pack Use: Inverter: 590*345*255 Battery module: 590*265*255 For 7kwh Pack Use: Inverter: 740*345*255 Battery module: 740*265*255				
Weight [kg]	For 7kwh Pack Use: Inverter: 28.5 Battery module: 56.8 For 5kwh Pack Use: Inverter: 27.2 Battery module: 45				
Note: Y are variables, Y=1, 2, 3, 4, 5, 6, 7.					

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