

# Certificate of Conformity

Certificate Number: CN-PV-230654

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>	NINGBO AUSTA SOLAR TECH CO., LTD. 1-1, NO.136, Haichuan Road, Jiangbei District, Ningbo, Zhejiang, P.R.China
<b>Product:</b>	Hybrid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	AU3KESL, AU3.6KESL, AU4KESL, AU5KESL
<b>Brand Name&lt;s&gt;:</b>	
<b>Product Complies with:</b>	IEC 61727:2004 (Second Edition)
<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>	231000762SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao  
Date: 22 November 2023



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230654

### Ratings & Principle Characteristics:

Specifications table				
Model	AU3KESL	AU3.6KESL	AU4KESL	AU5KESL
<b>PV input</b>				
Vmax PV (Vdc) (absolute Max.)	500			
Isc PV (absolute Max.) (A)	22.5	22.5*2	22.5*2	22.5*2
Max. PV input current / strings (A)	18	18*2	18*2	18*2
Number MPP trackers	1	2	2	2
Number input strings	1	1/1	1/1	1/1
PV Input voltage range (Vdc)	100~500			
MPPT Range (Vdc)	150~450			
Vdc range @ full power (Vdc)	240~425	240~425	240~425	240~425
<b>Battery (charge/discharge)</b>				
Battery type	Li-ion/Lead-acid			
Battery Normal Voltage (Range) (Vdc)	48V (40-60V)			
Max charge/discharge Current(A)	75	90	100	120
Max charge/discharge Power(kW)	3.3	3.96	4.4	5.5
<b>AC Grid (input and output)</b>				
Normal AC Voltage (VAC)	230(single phase)			
Frequency (Hz)	50			
Max. cont. input/output current (A)	15	18	20	25
Max. cont. input/output Power (kW)	3.3	3.96	4.4	5.5
Max. cont. Apparent Power (kVA)	3.3	3.96	4.4	5.5
Power factor(adjustable)	1.0(-0.8~ +0.8)			
<b>AC Load output (stand alone)</b>				
Normal Voltage (VAC)	230(single phase)			
Frequency (Hz)	50			
Nominal Current(A)	15	18	20	25
Max. cont. Power (kW)	3	3.6	4	5
Overload Capability (off grid)	>200% for 15 sec			
Output Power Factor(off grid)	1.0			
Output Current Harmonic Distortion	THD<3%(Nonlinear load); THD<1.5%(Linear load)			
<b>Others</b>				
Ingress protection (IP)	IP66			
Protective class	Class I			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated PV- AC <input type="checkbox"/> High frequency isolated(Battery Side)			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Dimensions, D*W*H (mm)	198*427*554	198*427*554	198*427*554	198*427*554
Weight (kg)	20	20	20	20

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