

# Certificate of Conformity

Certificate Number: CN-PV-230369

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>	Inhenergy Co., Ltd. 3/F & 4/F, Building 2, No. 35, Jinyuan 2nd Rd, Tangjiawan Town, Hi-Tech Zone, Zhuhai, China.
<b>Product:</b>	Solar inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	HI-3K-SL, HI-3.6K-SL, HI-4K-SL, HI-5K-SL, HI-6K-SL
<b>Brand Name&lt;s&gt;:</b>	
<b>Product Complies with:</b>	EN 50549-1: 2019, 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 Type approval for type B and with deviations according to the national network and interface protection for Portugal, Netherlands, Poland, Turkey and Finland
<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>	230222097GZU-001

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: 26 June 2023



PRD N° 306B

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230369

MODEL	HI-3K-SL	HI-3.6K-SL	HI-4K-SL	HI-5K-SL	HI-6K-SL
PV String Input data					
Max. Recommended PV power (kW)	7	7	9	9	9
Max. DC voltage (V)	550				
Nominal voltage (V)	360				
MPPT working voltage range (V)	90~550				
Full load dc voltage range (V)	300~450				
Start Voltage/Minimum working voltage (V)	100/80				
Max. input Current of tracker A/tracker B (A)	15/15				
No. of independent MPP trackers/string per MPPT tracker	2/1				
AC Output Data (Grid)					
Rated AC output power (KW)	3	3.6	4	5	6
Max. AC output apparent Power (KVA)	3.3	4	4.4	5.5	6.6
Max. AC input apparent power (KVA)	6	7.2	8	10	12
AC output voltage	230V, L+N+PE				
Rated AC output frequency	50 / 60Hz				

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Rated AC output current (A)	13	15.6	18	22	26
Max. AC input current (A)	28	32	38	48	58
Power factor	±0.8				
AC Output Data (Back-up)					
Max. AC output power (KVA)	3.3	4	4.4	5.5	6.6
Rated AC output power (KW)	3	3.6	4	5	6
Rated AC output voltage	230V, L+N+PE				
Battery data					
Battery Type	Li-ion /Lead-acid				
Nominal voltage (V)	48				
Battery voltage Range (V)	42~59				
Max. charging /discharging current (A)	80/80	80/80	100/100	100/100	100/100
Capacity of battery	25-2000AH				
General Data					
Operating temperature range	-25 °C~ +60 °C				
Environmental Protection	IP65				
Firmware version	HI 1.0				

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