


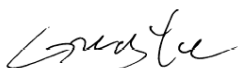
# Certificate of Conformity

Certificate Number: CN-PV-240031

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 PolarESS Technology Co., Ltd. 6#-1002, Building 6, Chuangwei Innovation Valley, No.8 Tangtou 1st Road, Tangtou Community, Shiyan Sub-district, Bao'an District, Shenzhen, China.
<b>Product:</b>	PV Hybrid Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	ALPS HY4.6-GL, ALPS HY5.0-GL, ALPS HY6.0-GL
<b>Brand Name&lt;s&gt;:</b>	
<b>Product Complies with:</b>	G99 Issue 1 Amendment 9,3 October 2022 Requirements for the connection of generation equipment in parallel with public distribution networks
<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>	231207128GZU-002, 19 Jan 2024

Additional information in Appendix.



Signature

**Certification Manager: Grady Ye**  
**Date: 26 January 2024**



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-240031

Model	ALPS HY4.6-GL	ALPS HY5.0-GL	ALPS HY6.0-GL
Input Data (PV)			
Max. PV open-circuit voltage	550 V		
Max. PV short-circuit current	2*23 A		
Max. PV input current	2*17 A		
MPPT voltage range	90~530 V		
MPPT tracker/No. of Strings per MPP Tracker	2/1		
Output Data (AC, on-grid)			
Rated AC output power	4600 W	5000 W	6000 W
Max. apparent power	4600 VA	5000 VA	6000 VA
Max. output current	20 A	21.7 A	26 A
Nominal grid voltage	230Va.c.		
Nominal frequency	50/60 Hz		
Power factor range	0.8 lagging ~ 0.8 leading		
Output Data (AC, backup)			
Nominal EPS output power	4600 W	5000 W	6000 W
AC Nominal voltage	230Va.c.		
Nominal frequency	50Hz		
Max. output current	20 A	21.7 A	26 A
Battery			
Battery type	Lead-acid or Li-ion		
Battery voltage range	46.7-57.6 V		
Nominal voltage	51.2 V		
Max. charging/ discharging current	104A/ 104A	112A/ 112A	130A/ 130A
Max. Battery charging/discharging power	5000W/5000W	5400W/5400W	6500W/6500W
Others			
Inverter Topology	Non-isolated		
Overvoltage Category	DC II; AC III		
Ingress protection	IP20		
Protective Class	Class I		
Operating temperature range	-25℃~60℃		
Software version	SD1.0		

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