Test Verification of Conformity

Verification Number: 231025074GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test reports and should be read in conjunction with them.

Once compliance with all product relevant CE mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Shenzhen Hopewind Technology Co., Ltd. Room 101, Building B, No.94, Guangtian Road, Yanchuan Community, Yanluo Street, Bao'an District, Shenzhen, China
Product Description:	GRID-CONNECTED PV INVERTER
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	HSHV320K-G01, HSHV330K-G01, HSHV350K-G01, HSHV385K-G01
Brand Name:	Hopewind
Relevant Standards/Directives:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	21 Nov 2023 – 01 Dec 2023
Test Report Number(s):	231025074GZU-003, 231025074GZU-004

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 12 Dec 2023

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 231025074GZU-VOC001

Ratings & Principle Characteristics:

Model	HSHV320K-G01	HSHV330K-G01	HSHV350K-G01	HSHV385K-G01
Max. input voltage	1500 V			
Starting voltage	550 V			
MPPT voltage range	500–1500 V			
MPPT range full load	860–1300 V			
Rated input voltage	1080 V			
Max. input current per MPPT	60 A			
Max. short-circuit current	90 A			
Number of DC inputs	8 x 4			
Number of MPPT trackers	8			
Rated output power	320 kW	330 kW	350 kW	385 kW
Max. output apparent power	320 kVA	330 kVA	350 kVA	385 kVA
Max. output power	320 kW	330 kW	350 kW	385 kW
Rated output voltage	800 V (3P + PE)			
Operating voltage range	640–920 V			
Rated grid frequency	50 Hz/60 Hz			
Rated output current	230.9 A	238.2 A	252.6 A	277.9 A
Max. output current	230.9 A	238.2 A	252.6 A	277.9 A
Power factor	＞0.99 (0.8 leading – 0.8lagging)			
Operating temperature range	-25°C ~+60°C (45°C derating)		-25°C ~+60°C (40°C derating)	
Operating altitude	4000m (derating is required above 3000m)		4000m (derating is required above 2000m)	
Protection degree	IP66			

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 12 Dec 2023