Test Verification of Conformity

Verification Number: 250220059GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant EU legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Shanghai Sunplus New Energy Technology Co., Ltd. Room 806, Building 58, NO.260 Maoyuan Road, Fengxian District, Shanghai China
Product Description:	Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	SP1S-1P3K-L, SP1S-1P3.6K-L, SP1S-1P4K-L, SP1S-1P4.6K-L, SP1S-1P5K-L, SP1S-1P6K-L, SP1A-1P3K-L, SP1A-1P3.6K-L, SP1A-1P4K-L, SP1A-1P4.6K-L, SP1A-1P5K-L, SP1A-1P6K-L.
Brand Names:	Sunplus
Specification<s>/Standards:	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 Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	20 February 2025 to 04 March 2025
Test Report Number(s):	250220059GZU-001, dated 04 March 2025, 250220059GZU-002, dated 04 March 2025

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 04 March 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250220059GZU-VOC001.

Model:	SP1A-1P3K-L	SP1A-1P3.6K-L	SP1A-1P4K-L	SP1A-1P4.6K-L	SP1A-1P5K-L	SP1A-1P6K-L
PV input parameters:						
Maximum input power	8000 W	8600 W	9000 W			
Maximum input voltage	600 Vd.c.					
Rated input voltage	360 Vd.c.					
MPPT voltage range	100 - 550 Vd.c.					
Maximum continuous input current	16 A*2					
Isc PV	20 A*2					
Battery input/output terminal parameters:						
Battery type	Lithium-ion/Lead-acid					
Rated voltage	51.2 Vd.c.					
Battery voltage range	42 -60 Vd.c.					
Maximum charging power	5000 W					
Maximum continuous charging current	100 A					
Maximum discharging power	5000 W					
Maximum continuous discharging current	100 A					
AC input terminal parameters:						
Rated input voltage	230 Va.c., 50/60Hz, L/N/PE					
Maximum continuous input power	6000 W	7360 W	8000 W	9200 W	10000 W	10000 W
Maximum continuous input current	26.1 A	32 A	34.8 A	40 A	43.5 A	43.5 A
AC output rating						
Rated output voltage	230 Va.c., 50/60Hz, L/N/PE					
Maximum continuous output power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Maximum continuous output current	13 A	16 A	17.4 A	20 A	21.7 A	26.1 A
Power factor	0.8 leading – 0.8 lagging					
Back up load rating						
Rated output voltage	230 Va.c., 50/60Hz, L/N/PE					
Maximum output power	3000 W	3680 W	4000 W	4600 W	5000 W	5000 W
Maximum output current	13 A	16 A	17.4 A	20 A	21.7 A	21.7 A
Power factor	0.8 leading – 0.8 lagging					
General						
Operating temperature range	-25°C~ 60°C (Derating above 40°C)					
Protective class	I					
Ingress protection	IP 66					
Software version	2.33					

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Name: Jason Fu
Position: Supervisor
Date: 04 March 2025

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